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of  
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## CONTENTS

<p><b>Part I. Getting Started</b>..... 3</p> <p>Calendar ..... 3</p> <p>Admission ..... 4</p> <p>Expenses ..... 5</p> <p>Requirements ..... 9</p> <p>Registration ..... 10</p> <p><b>Part II. Curricula</b> ..... 11</p> <p>Bachelor of arts ..... 11</p> <p>Bachelor of arts in education..... 12</p> <p>Master of education ..... 14</p> <p>Junior College ..... 14</p> <p>Arts and Sciences (General)..... 14</p> <p>Economics and business ..... 15</p> <p>Pre-Dentistry ..... 15</p> <p>Pre-Engineering ..... 15</p> <p>Pre-Forestry ..... 16</p> <p>Home Economics ..... 16</p> <p>Pre-Law ..... 16</p> <p>Pre-Medicine ..... 17</p> <p>Music ..... 17</p> <p>Secretarial Science ..... 17</p> <p><b>Part III. Courses</b> ..... 18</p> <p>Aeronautics ..... 18</p> <p>Art ..... 18</p> <p>Biology ..... 21</p> <p>Chemistry ..... 23</p> <p>College Elementary School ..... 23</p> <p>Economics and Business ..... 24</p> <p>Education ..... 27</p> <p>English ..... 31</p> <p>French ..... 33</p> <p>General Education ..... 34</p> <p>Geography and Geology ..... 34</p> <p>German ..... 37</p> <p>History ..... 38</p> <p>Home Economics ..... 42</p> <p>Industrial Arts ..... 44</p> <p>Journalism ..... 46</p> <p>Librarianship ..... 47</p> <p>Mathematics ..... 47</p> <p>Music ..... 49</p> <p>Philosophy ..... 52</p> <p>Physical and Health Education... 53</p> <p>Physical Sciences ..... 58</p> <p>Political Science ..... 59</p> <p>Psychology ..... 60</p> <p>Sociology ..... 62</p> <p>Spanish ..... 63</p> <p>Speech ..... 63</p>	<p><b>Part IV. Student Life and Welfare</b> 66</p> <p>Veterans ..... 66</p> <p>Athletics ..... 66</p> <p>Music ..... 67</p> <p>Campus Activities ..... 67</p> <p>Convocations and Lectures ..... 70</p> <p>Student Living ..... 70</p> <p>Guidance and Counseling ..... 72</p> <p>Health and Physical Education Program ..... 72</p> <p>Student Loan Fund ..... 73</p> <p>Scholarships and Awards ..... 73</p> <p><b>Part V. Academic Procedures</b>..... 75</p> <p>Classification of Students ..... 76</p> <p>Certification to Teach ..... 76</p> <p>Special Education Credential ..... 77</p> <p>Administrator's Credentials ..... 78</p> <p>Accreditation of the College ..... 79</p> <p>Graduation Candidacy ..... 79</p> <p>Honor Students ..... 80</p> <p>Independent Study ..... 80</p> <p>Residence Requirement ..... 81</p> <p>Voice Test ..... 81</p> <p>Special Students ..... 81</p> <p>Transcripts of Record ..... 81</p> <p>Notice ..... 81</p> <p><b>Part VI. Facilities and Organization</b> 82</p> <p>Campus ..... 82</p> <p>Student Teaching ..... 83</p> <p>Library ..... 83</p> <p>Extension and Correspondence... 84</p> <p>Placement Office..... 85</p> <p>Divisional Organization ..... 85</p> <p>Faculty Committees ..... 86</p> <p>Quarter System ..... 87</p> <p>Summer Quarter ..... 88</p> <p>History of the college..... 88</p> <p><b>Part VII. Directory of Personnel</b>... 89</p> <p>Board of Trustees ..... 89</p> <p>State Board of Education ..... 89</p> <p>Administrative Officers and Assistants ..... 89</p> <p>Library Staff ..... 89</p> <p>Residence Halls Staff ..... 90</p> <p>Instructional Staff ..... 90</p> <p><b>Part VIII. Index</b> ..... 98</p>
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# Part I. Getting Started

## CALENDAR 1947-1948

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### Fall Quarter

- Testing, orientation, registration, September 19-23.
- Paying of minimum, laboratory, and course fees, September 22-24.  
(One dollar late registration fee is charged for failure to keep fee payment appointment.)
- Instruction begins Wednesday, September 24.
- President's convocation, Thursday, September 25.
- Last day for removing incompletes, Friday, October 17.
- Armistice and Admission Day (holiday), Tuesday, November 11.
- Thanksgiving recess begins Tuesday, November 25, 4:00 p. m.
- Thanksgiving recess ends Monday, December 1, 8:00 a. m.
- Instruction ends Wednesday, December 17, 4:00 p. m.

### Winter Quarter

- Registration of new students, January 5.
- Paying of minimum, laboratory, and course fees, January 5-7.  
(One dollar late registration fee charged for failure to keep fee payment appointment.)
- Instruction begins Tuesday, January 6.
- Last date for removing incompletes, Friday, January 30.
- Instruction ends Friday, March 19, 4:00 p. m.
- Charter Day, Monday, March 22.

### Spring Quarter

- Registration of new students, March 22.
- Paying of minimum, laboratory, and course fees, March 22-24.  
(One dollar late registration fee charged for failure to keep fee payment appointment.)
- Instruction begins Tuesday, March 23.
- Spring recess begins Thursday, March 25, 4:00 p. m.
- Spring recess ends Tuesday, March 30, 8:00 a. m.
- Last date for removing incompletes, Friday, April 23.
- Instruction ends Tuesday, June 8.

### Summer Quarter

- Registration of new students, June 14.
- Instruction ends, August 13.

## ADMISSION

All communications regarding admission and graduation requirements should be addressed to the Registrar.

**Freshmen.** The completion of a four-year high school course or its academic equivalent or the passing of the General Educational Development Examination of the USAFI is required for admission to the Freshman class. No specific high school courses or averages are prescribed. Freshmen may enter the college at the beginning of any quarter.

The Eastern Washington College cooperates with other Washington colleges in accepting the "Uniform Personal and Scholastic Record and Application for Admission to Higher Institutions in the State of Washington" as an official transcript of the student's high school record. Prospective Freshmen should file these official transcripts of record with the Registrar not less than one month previous to registration. *The official transcript of the student's high school record must be on file when the student comes to register.*

A student who ranked in the lowest fourth of a high school graduating class may not register for more than 12 credits, exclusive of Physical Education Activities, during the first quarter of his Freshman year. A graduate of an unaccredited high school may not register for more than 12 credits, exclusive of Physical Education Activities, during the first quarter of his Freshman year.

**Veterans.** The high school level GED tests of the USAFI are administered as a basis for the admission of non-high school graduates, but veterans who are not high school graduates and do not wish to take the GED tests are admitted to the college without examination. Such veterans can qualify for regular standing by earning 45 quarter credits with a minimum grade point average of 1.00 ("C").

**Transfers.** Credits will be accepted from all accredited institutions of higher learning. Applicants for advanced standing must furnish complete official transcripts of their records in schools and colleges formerly attended together with catalogs giving detailed information regarding courses completed. Transcripts should be filed with the Registrar not less than one month previous to registration. *Complete official transcripts of the student's high school and college records must be on file when the student comes to register.*

**Non-matriculated Students.** Individuals who are twenty-one years of age may be admitted without having completed a high school course, but are ineligible for graduation until preparatory deficiencies have been removed. Such deficiency can be removed by passing the General Educational Development Examination of the USAFI.

**Education Courses.** In order to enroll in any education course except Ed. 51 the student must have a cumulative grade point average of 1.00. Psych. 155 is counted as an education course.

Before enrolling in "Student Teaching" the student must satisfy the "Sp. 11 Remedial Speech" and "Math. 1 Mathematics Fundamentals" course requirements.



## EXPENSES

**Tuition.** There is no tuition at the Eastern Washington College.

**Minimum Fees.** Each regular student pays each quarter minimum fees amounting to \$18.50. These minimum fees include the Library Fee, the Health Fee, and the Student Activities Fee.

In addition to the minimum fees there are sometimes laboratory and course fees, depending upon the courses for which the student registers. Laboratory and course fees, as well as the minimum fees, are payable on the first three days of the quarter in accordance with appointments arranged by the Registrar's Office.

**Library Fee.** The library fee of \$3.00 a quarter is spent for the up-keep of the library.

**Health Fee.** The health fee of \$2.50 a quarter goes toward meeting expenses connected with the health of the students and the support of the infirmary.

**Student Activities Fee.** The activities fee of \$13.00 a quarter is distributed to different funds: athletics, lectures and entertainments, social life, publications, etc.

**Laboratory and Course Fees.** The laboratory and course fees charged each quarter are listed below. In some courses the student must also pay for the material used. Laboratory and course fees are payable on the first three days of the quarter in accordance with appointments arranged by the Registrar's Office.

Course Number	Course Title	Amount
Aero 11	Basic Ground Instruction.....	\$ 35.00
12	Private Pilot Training (per school year).....	\$450-490.00
Art 1	Introduction to Art.....	.50
117	Design and Color.....	.50
119	Guidance in Creative Activity.....	.50
123	Primary Construction.....	2.00
125	Painting and Sculpture.....	.50
127	Art Organization.....	.25
150	Elementary Crafts.....	1.00
153	Backboard Sketching.....	.50
155	Pottery.....	1.50
157	Puppetry and Related Arts.....	1.00
159	Color.....	.50
160	Recreational Activities.....	.50
161	Water Color.....	.50
163	Oil Painting.....	.50
165	Lettering.....	.50
167	Commercial Design.....	.50
169	Figure Drawing.....	.50
171	Small Sculpture.....	1.50
173	Interior Decoration.....	.50
175	Picture Study.....	.50
177	Appreciation of Folk-Art.....	.50
179	History of Art.....	.25



<i>Course Number</i>	<i>Course Title</i>	<i>Amount</i>
Art 175	Public School Art.....	.50
185	Advanced Crafts .....	1.00
187	Advanced Design and Color.....	.50
189	Advanced Drawing .....	.50
191	Contemporary Aesthetics .....	.50
Biology	2 Introduction to Biology.....	1.00
51-52-53	Zoology .....	1.00
61-62-63	Botany .....	1.00
109	Field Biology .....	1.00
116	Entomology .....	1.00
120	Bacteriology .....	2.50
121	Genetics .....	1.00
122	Technique in Biology .....	1.50
Chem.	51-52-53 General Chemistry .....	2.50
105-106	Qualitative Analysis .....	3.00
107-108-109	Organic Chemistry .....	5.00
110-111	Quantitative Analysis.....	3.00
Ec. Bus.	14-15-16 Typewriting .....	1.50
Education	141 Educational Guidance .....	.50
147	Remedial Reading .....	2.00
149	Tests and Measurements.....	1.25
162	Audio and Visual Aids.....	1.00
183	Elementary Curriculum Workshop.....	2.00
Geography	1 Elements of College Geography.....	.25
2	World Geography .....	.25
102	Materials and Techniques of Geographic Education.....	.25
103	Commodities and Trade.....	.25
104	North America .....	.25
105	South America .....	.25
107	Northwest Geography .....	.25
108	Historical Geography of the U. S.....	.25
109	Political Geography .....	.25
110	Elements of Geology .....	.25
111	Asia .....	.25
112	Africa .....	.25
113	Europe .....	.25
114	Weather and Climate.....	.25
115	Geography of the Pacific.....	.25
117	Resources and Conservation.....	.25
120	Field Trips .....	1.00
121	Advanced Field Trips.....	1.00
123	Middle America .....	.25
124	Physiography of Western U. S.....	.25
127	Cartography .....	.25
130	Field Geography .....	.50
Home Econ.	53 Foods .....	4.00
54	Foods .....	4.00
68	Textiles .....	1.00
70	Clothing .....	.50
154	Experimental Cookery .....	4.00
162	Serving .....	1.50
166	Advanced Dietetics .....	1.00
172	Clothing .....	.50
173	Art Needlework .....	1.00

Course Number	Course Title	Amount
<b>Ind. Educ.</b>		
1	Intro. to Industrial Education.....	2.50
60	Engineering Drawing .....	2.75
61	Engineering Drawing .....	3.00
62	Engineering Drawing .....	2.75
100	Primary Industrial Education.....	2.75
105	Wood Turning .....	3.00
106	Advanced Wood Turning.....	3.50
110	Wood Finishing .....	3.00
114	Wood Working for Homemakers.....	5.00
115	Furniture Design and Construction.....	5.00
120	Electrical Work .....	3.50
122	Radio Construction .....	3.50
125	Bench Metal .....	3.50
126	Sheet Metal .....	3.50
127	Metal Spinning .....	3.50
128	Machine Lathe .....	3.50
140	Mill Work .....	2.00
145	Wood Carving .....	3.00
150	Architectural Drawing .....	3.50
151	Architectural Drawing .....	3.50
156	Period Furniture Construction.....	6.00
185	Organization of Industrial Education.....	1.00
	NOTE: In Industrial Education course students are charged on a cost basis for wood and metal materials used in course work.	
<b>Music</b>		
16	Piano—1 Credit .....	15.00
17	String Instrument—1 Credit.....	15.00
18	Voice—1 Credit .....	15.00
19	Organ—1 Credit .....	15.00
20	Wind Instrument—1 Credit .....	15.00
27	Class String .....	5.00
28	Class Voice .....	5.00
30	Class Wind .....	5.00
	Practice Room Rental—Voice and Piano.....	3.00
	Practice Room Rental—String and Wind.....	.75
	String and Wind Instrument Rental .....	3.00
	Organ Rental .20 hr.....	10.00
<b>Philosophy</b>	51 Introduction to Philosophy.....	.75
<b>P. E.</b>	13 Golf .....	1.25
<b>Physical Sci.</b>	3 Survey of Physical Science.....	.25
	121 Descriptive Astronomy .....	.25
<b>Physics</b>	51 Applied Descriptive Physics.....	1.00
	61-62-63 General Physics .....	2.50
	60 Elements of Photography.....	2.00
	41 Electronics .....	5.00
	(Offered primarily for veterans)	
	160 Advanced Photography .....	2.00
<b>Speech</b>	11 Remedial Speech .....	.25
	53 Voice for Speech.....	.50
	106-107-108 Play Production .....	.50
	51 Speech Fundamentals .....	.50
	130 Oral Reading of Literature.....	.50

**Books.** Books, note-books, and writing supplies usually cost from \$5.00 to \$10.00 a quarter.



**Late Registration Fee.** A number with a fee payment appointment is given the student when he registers. The late registration fee of one dollar is charged regular students who fail to keep their fee payment appointments. The late registration fee is also charged regular students who fail to register before the day of the quarter on which instruction begins. Exception is made when delay in registering is occasioned by officials of the college.

**Registration Changes Fee.** A fee of one dollar is charged for each change of registration or number of changes which are made simultaneously. No fee is charged when the change is made on the initiative of officials of the college.

Laboratory fees of less than one dollar are not refunded.

**Breakage Fee.** In laboratory courses all students are charged for breakage of equipment on a cost of replacement basis.

**Kinnikinick Fee.** Each student who is in attendance during the fall, winter and spring quarters is charged 75 cents to cover the cost of the college yearbook, *The Kinnikinick*. A student who is in attendance during only one of the three quarters is required to pay the difference between 75 cents and \$2.25 in order to secure his *Kinnikinick*. A student who is in attendance during two of the three quarters is required to pay the difference between \$1.50 and \$2.25 in order to secure his *Kinnikinick*.

**Withdrawal.** Students who withdraw from the college during the first two weeks of a quarter are entitled to a partial refund on the minimum fees. Laboratory and course fees of one dollar or more are also refunded to students who withdraw during the first two weeks of a quarter. No refunds are given for withdrawal after the second week of a quarter.

Students wishing to withdraw must secure clearance sheets at the Bursar's office.

**Board and Room.** Board and room at the halls of residence for 1947-48 is \$1.25 per day. No deduction is made for week-end absences. Four-fifths of the board is deducted for vacations or absences on account of illness of more than three days. Guest rates are as follows: breakfast or luncheon, 30 cents; dinner, 50 cents.

Payment for board and room is made monthly in advance. The first month's payment must accompany the minimum, laboratory, and course fees which are paid at the beginning of the quarter in accordance with the student's fee payment appointment number. When a student leaves at the end of a quarter, the \$5.00 deposit is deducted from his last payment.

Board and room can also be obtained at reasonable rates in private homes off-campus. For information, address the Dean of Women, or the Dean of Men.

**Music Fees.** Payment of a fee of \$15.00 entitles the student to a series of weekly, half-hour, private lessons in applied music for the duration of one quarter. Payment of a \$30.00 fee entitles the student to a series of twice-weekly, half-hour, private lessons for the duration of one quarter.



Pianos may be rented at \$3.00 a quarter for one hour of practice daily. For two hours daily the charge is \$5.00 a quarter.

Violins for practice may be rented at \$1.50 a quarter.

For practice on the auditorium organ the charge is twenty cents an hour.

**Graduation Fee.** Students who are successful candidates for the degree of Bachelor of Arts in Education pay a fee of \$5.50.

The graduation fee must be paid when the student makes application for graduation.

**Cap and Gown Fee.** A fee of \$1.75 for the rental of cap, gown, and tassel is charged all the members of each graduating class who can attend the commencement exercises.

**Transcript Fee.** A student who wishes to send transcripts of his record to other institutions will be furnished the first copy without charge. A fee of \$1.00 will be charged for each transcript thereafter. Transcript fees must be paid in advance.

**Special Students.** Special students are those enrolled in not more than two courses exclusive of Physical Education Activities (P. E. 4 or P. E. 13), or for not more than six credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13).

In other words, the maximum number of courses in which a special student may enroll is two, exclusive of P. E. Activities. The maximum number of credits for which a special student may enroll is six exclusive of P. E. Activities. The enrollment fee for special students is \$2.00.

**Earning Expenses.** Those students who need to earn part of their expenses will find a limited number of opportunities at the college for so doing. Regular monthly employment at the college is given only to students who live on the campus. There are also opportunities for work in the town of Cheney. Students expecting to earn part of their expenses should plan to carry less than the standard schedule of class work.

Prospective women students needing part-time employment should write Miss Eunice Nelson, Dean of Women. Prospective men students in need of part-time employment should write to the Dean of Men. The letters to the deans should include complete information regarding both needs and qualifications for part-time employment.

**Trailer Houses** are available to married veterans at \$15.00 per month. Heat, light, and water are furnished. For reservation write the Bursar, Eastern Washington College. The trailer house reservation fee is \$5.00.

#### REQUIREMENTS

Students will find an explanation regarding opportunities and requirements in Part II of this catalog. Descriptions of courses offered are in Part III.

#### TESTING AND ORIENTATION

The purpose of the testing and orientation program is to enable each new student to get the best possible start at the Eastern Washington College. The tests are to discover interests, needs, achievements, and other bases for assisting and advising students regarding their college problems. Orientation includes essential information along such lines

as the following: campus life and organizations, the aims and traditions of the College, study techniques and time allotments, students finances, academic procedures, the college staff.

All new students are required to participate in the testing and orientation program.

### REGISTRATION

Students who attend the college during a given quarter and plan to attend the next quarter are expected to register for the next quarter in accordance with notification from the Registrar's Office.

The student who has not been in attendance during the previous quarter may register for a given quarter on the first day of that given quarter. Early registration is especially advantageous for students transferring from other colleges.

*Complete official transcripts of the student's high school and college records must be on file when the student comes to register.*

Persons who wish to register should report to the Registrar's Office on the second floor of Showalter Hall, the administration building. The Bursar's Office, where fees are paid, adjoins the Registrar's Office.

**Registration Penalty.** A number with a fee payment appointment is given the student when he registers. *The late registration fee of one dollar is charged regular students who fail to keep their fee payment appointments. The late registration fee is also charged regular students who fail to register before the day of the quarter on which instruction begins.* Exception is made when delay in registering is occasioned by officials of the college.

**Registration by Mail.** Persons who are candidates for graduation or for war emergency teaching certification at the close of the summer quarter can register by mail for the summer quarter, provided they are not attending the College during the spring quarter. Students who are not in the foregoing category must register in person unless they have very special problems.

**Registration Changes.** Permission to *add* a course is given by the Registrar.

Permission to withdraw from a course after instruction begins is given by the Registrar or Dean.

A student who receives permission to withdraw from a course or who withdraws from the college up to and including Monday of the fifth week of a quarter is entitled to the grade "Withdrawn." After Monday of the fifth week of a quarter a student who receives permission to withdraw from a course or who withdraws from the college is entitled only to such grade as the instructor considers consistent with the student's class rank to date. However, when there are extenuating circumstances approved by the Registrar or Dean, the student is entitled to receive the grade "Withdrawn."

A fee of one dollar is charged for each change of registration or number of changes which are made simultaneously. No fee is charged when the change is made on the initiative of officials of the college.

Laboratory fees of less than one dollar are not refunded.



## Part II. Curricula

Bachelor of Arts, Bachelor of Arts in Education, Master of Education, and Junior College curricula are offered by the Eastern Washington College. Four college years are required for the completion of bachelor's degree curricula, and one year of graduate study for the master's degree. Two years of junior college work are offered.

The College emphasizes the needs of the individual student according to the objective he or she has in mind. Varied types of requirements, opportunities for specialization, and flexibility in curricular administration enable degree candidates as well as junior college students to exercise many choices. Each undergraduate curriculum provides the student with opportunities to secure a broad foundation of general knowledge.

### BACHELOR OF ARTS

In the spring of 1947 the College was authorized by law to grant the degree of Bachelor of Arts. The general outline of the requirements for this degree is as follows:

Major .....	approximately 45 credits
Supporting Courses .....	approximately 45 credits
(These are courses in fields other than the major which are needed for understanding the major.)	
General Education .....	57 credits
English Composition .....	9
Speech Fundamentals .....	3
Humanities .....	15
Natural Sciences .....	15
Social Studies .....	15
Free Electives .....	not less than 33 credits
Physical Education Activities.....	unless excused 12 credits
TOTAL (excluding P. E. Activities).....	180 credits

The fields in which the candidate for the degree of Bachelor of Arts can major are as follows:

- Art
- Biology
- Chemistry
- Economics and Business
- Elementary Education
- Junior High Education
- Pre-Secondary Education
- English
- European Studies
- French
- General Studies
- Geography
- German
- History
- Home Economics
- Foods and Nutrition
- Textiles and Clothing
- Home Economics Education



Humanities  
 Industrial Arts  
 Industrial Arts Education  
 Journalism  
 Latin-American Studies  
 Pre-Law  
 Mathematics  
 Pre-Medicine  
 Modern Languages  
 Music  
 Music Education  
 Natural Sciences  
 North American Studies  
 Physical and Health Education  
 Physical Sciences  
 Radio  
 Social Studies  
 Spanish  
 Speech

A bulletin with complete information regarding majors, supporting courses, and general education requirements is in process of preparation. Interested persons should write the Registrar for a copy.

#### BACHELOR OF ARTS IN EDUCATION

The College has granted the degree of Bachelor of Arts in Education since 1933. The general outline of requirements for this degree is as follows:

MAJOR		
Ed. 134	Social Foundations of Education.....	5 credits
Ed. 141	Educational Guidance or	
Ed. 140	Tests and Measurements or	
Ed. 152	Historical Foundations of Education.....	4 credits
Ed. 178	Elementary or Junior High Curriculum.....	7 credits
Ed. 182	Washington State Manual.....	1 credit
Ed. 191-4-8	Elementary or Junior High Student Teaching.....	15 credits
Psych. 155	Child Development .....	5 credits
P.H.E. 146	Physical Education Fundamentals.....	2 credits
Choice of a or b or c or d as follows:.....		5-8 credits
	a. Art 1 and Art 175.....	8 credits
	b. I. Ed. 1 and I. Ed. choice.....	7 credits
	c. Math. 54 or Math. 55.....	5 credits
	d. Mus. 1 and 101.....	7 credits
SUPPORTING COURSES		
Hist. 63	Washington State History and Government.....	3 credits
H. Ec. 56	Nutrition .....	3 credits
P.H.E. 1	Health Fundamentals .....	3 credits
Psych. 1	General Psychology .....	5 credits
GENERAL EDUCATION		
Eng. 1, 2, 3	Composition .....	9 credits
Sp. 51	Speech Fundamentals .....	3 credits
Eng. 4	Cultural Backgrounds .....	3 credits

Biol. 2	Introduction to Biology .....	5 credits
Phys. 3	Survey of Physical Sciences.....	5 credits
	Choice of 20 credits in Social Studies with not more than 10 in one field.....	20 credits
	Free Electives .....	32-29 credits
	Academic Major or Minors.....	45 credits
	Choice of a or b or c as follows:	
	a. One major of 45 credits	
	b. Two minors of 30 and 15 credits	
	c. Three minors of 15 credits each	
	Physical Education Activities unless excused.....	11 credits
	TOTAL (excluding P. E. Activities).....	180 credits

The fields in which the candidate for the degree of Bachelor of Arts in Education can major are as follows:

Art  
 Biology  
 Chemistry  
 Economics and Business  
 English  
 French  
 Geography  
 German  
 History  
 Home Economics  
 Industrial Education  
 Journalism  
 Mathematics  
 Modern Languages  
 Music  
 Natural Sciences  
 Physical and Health Education  
 Physical Sciences  
 Social Studies  
 Spanish  
 Speech

Candidates for the degree of Bachelor of Arts in Education may choose minors from each of the above major fields as well as from the following:

Education-Psychology  
 Special (Remedial) Education  
 Librarianship  
 Political Science  
 Sociology

A bulletin with complete information regarding academic majors and minors which meet requirements for the degree of Bachelor of Arts in Education is in process of preparation. Interested persons should write the Registrar for a copy.



### MASTER OF EDUCATION

In the spring of 1947 the College was authorized by law to grant the degree of Master of Education, and will offer opportunities for graduate study in the summer of 1947. For information regarding requirements and opportunities write the Registrar.

### JUNIOR COLLEGE

**Objectives:** Students who are interested in doing junior college work find a wide variety of arts and sciences, pre-professional, and pre-technical courses open to them at the Eastern Washington College. The junior college curriculum meets the needs of several groups of students: (1) those who wish to transfer to universities and other colleges after completing two years' work at the Eastern Washington College; (2) those who desire a college education but have not chosen a major field; and (3) those who plan to complete only one or two years of college work.

The student who has not made a decision as to which major he wishes to complete may take basic courses which will: (a) aid him to make an intelligent choice of a profession or major field; (b) provide a foundation for later specialization, or (c) insure a good general education. If such a student chooses a major offered by the Eastern Washington College he may remain at the College for his junior and senior years. Students who plan to complete only two years of college work may secure two years of general education at Cheney and also have some opportunity to specialize.

Pacific Coast colleges and universities which offer professional, technical, or arts and sciences curricula accept Eastern Washington College credits toward sophomore or upper division requirements. Most junior college students who plan to transfer to other colleges find it profitable to remain at Cheney two years before transferring.

**Schedules:** The class schedules of junior college students are in every instance planned to meet individual needs.

A few typical junior college programs follow:

#### ARTS AND SCIENCES (GENERAL)

Year sequence in English Composition.....	9 credits
Year sequence in Natural Science.....	12-15 credits
Zoology or Botany or Chemistry or Physics	
Year sequence in Social Studies.....	13-15 credits
Europe Since 1500 or	
Sociology; Economics; American Government	
Three or four of the following:	
Year sequence in Mathematics 15	
College Algebra; Trigonometry; Analytical Geometry	
Additional year sequence in Mathematics 15	
Calculus	
Two year sequence in a Modern Language 30	
French or German or Spanish	
Additional year sequence in English 9	
Approach to Humanities	



Additional year sequence in Natural Science.....	12-15 credits
Zoology or Botany or Chemistry or Physics	
Additional year sequence in Social Studies.....	13-15 credits
Europe Since 1500 or	
Sociology; Economics; American Government	
Physical Education Activities .....	
Free electives.....	
<b>Total.....</b>	<b>99 credits</b>

**ECONOMICS AND BUSINESS**

Year sequence in Social Studies.....	15 credits
Principles of Economics; Sociology; American Government	
Choice of 47-50 credits in Economics and Business.....	50-47 credits
Economic Development of the United States 5	
Applied Economics 5	
Commodities and Trade 4	
Labor Problems 9	
Money and Banking 5	
Personnel Management 3	
Statistical Analysis 5	
Accounting 15	
Shorthand 12	
Typewriting 9	
English Composition; Cultural Backgrounds	
(Literature) .....	12 credits
Year sequence in Natural Science.....	12-15 credits
Zoology or Botany or Chemistry or Physics	
General Psychology.....	5 credits
Introduction to Constitutional Law.....	5 credits
Physical Education Activities .....	
Free electives.....	
<b>Total.....</b>	<b>99 credits</b>

**PRE-DENTISTRY**

Biol. 51, 52, 53	Zoology .....	12 credits
Chem. 51, 52, 53	General Chemistry.....	15 credits
Chem. 107, 108, 109	Organic Chemistry .....	15 credits
Eng., 1, 2, 3	English Composition .....	9 credits
Math. 54, 55, 56	College Algebra, Trigonometry, Analytical	
	Geometry.....	15 credits
Physics 61, 62, 63	General Physics .....	15 credits
Physical Education Activity each quarter.....		credits
Electives in liberal arts and sciences.....		credits
<b>Total.....</b>	<b>99 credits</b>	

**PRE-ENGINEERING**

College Algebra; Trigonometry; Analytical Geometry.....	15 credits
Calculus .....	15 credits
General Chemistry .....	15 credits
General Physics.....	15 credits
Engineering Drawing .....	9 credits
English Composition; Cultural Backgrounds (Literature).....	12 credits
Year sequence in Social Studies.....	13-13 credits
Europe since 1500 or	
Sociology; Economics; American Government	
Physical Education Activities.....	
Free electives.....	
<b>Total.....</b>	<b>99 credits</b>

## PRE-FORESTRY

Biol. 51, 52	Zoology .....	8 credits
Biol. 61, 62, 63	Botany .....	12 credits
Chem. 51, 52, 53	General Chemistry.....	15 credits
Eng. 1, 2, 3, 4	English Composition, Cultural Backgrounds.....	12 credits
Ind. Ed. 60, 61	Engineering Drawing.....	6 credits
Math. 54, 55, 56	College Algebra, Trigonometry, Analytical Geometry.....	15 credits
Physics 61, 62, 63	General Physics .....	15 credits
Ec. Bus. 62, 130	Principles of Economics, Applied Economics.....	10 credits
Physical Education	Activity each quarter.....	credits
Total.....		99 credits

## HOME ECONOMICS

Biol. 51, 52	Zoology .....	8 credits
Biol. 120	Bacteriology .....	4 credits
Chem. 51, 52, 53	General Chemistry .....	15 credits
Chem. 107, 108, 109	Organic Chemistry .....	10 credits
Eng. 1, 2, 3, 4	English Composition, Cultural Backgrounds.....	12 credits
Home Ec. 53, 54	Foods .....	10 credits
Home Ec. 68	Textiles .....	4 credits
Home Ec. 70	Clothing .....	5 credits
P. E. 125	Physiology .....	5 credits
Psych. 1	General Psychology .....	5 credits
Ec. Bus.; Soc.;		
Pol. Sci. 61, 62, 67	Sociology, Economics, American Government..	15 credits
Physical Education	Activity each quarter.....	credits
Electives .....		credits
Total.....		99 credits

## PRE-LAW

Eng. 1, 2, 3, 4	English Composition, Cultural Backgrounds....	12 credits
Hist. 50, 51, 52, 105, 121	Europe .....	21 credits
Math. 54	College Algebra .....	5 credits
Natural Science		
Biol. 51, 52, 53	Zoology 12 or	
Biol. 61, 62, 63	Botany 12 or	
Chem. 51, 52, 53	Gen. Chem. 15 or	
Phys. 61, 62, 63	Gen. Phys. 15.....	12-15 credits
Phil. 51	Introduction to Philosophy.....	5 credits
Psych. 1	General Psychology.....	5 credits
Ec. Bus.; Soc.;		
Pol. Sci.		
61, 62, 67	Sociology, Economics, American Government..	15 credits
Pol. Sci. 127	Comparative Government .....	4 credits
Pol. Sci. 129	Intro. Constitutional Law .....	5 credits
Soc. 131	Social Thought in Western Civilization.....	4 credits
Sp. 51	Speech Fundamentals .....	3 credits
Physical Education	Activity each quarter.....	credits
Electives—Social Science recommended .....		credits
Total.....		99 credits

**PRE-MEDICINE**

Biol. 51, 52, 53	Zoology .....	12 credits
Chem. 51, 52, 53	General Chemistry.....	15 credits
Chem. 105, 106	Qualitative Analysis.....	8 credits
Chem. 107, 108, 109	Organic Chemistry.....	15 credits
Eng. 1, 2, 3, 4	English Composition, Cultural Backgrounds...	12 credits
Modern Languages		
French 1, 2, 3, 4, 5, 6, or		
German 1, 2, 3, 4, 5, 6, or		
Spanish 1, 2, 3, 4, 5, 7	.....	30 credits
Phy. 51, 52, 53	General Physics .....	15 credits
Physical Education	Activity each quarter.....	credits
Total.....		104 credits

**MUSIC**

Music Fundamentals.....	5 credits	
Sight Singing and Dictation.....	3 credits	
Music History.....	9 credits	
Harmony .....	9 credits	
Applied Music (Individual Instruction).....	6 credits	
Ensemble Music.....	6 credits	
English Composition; Cultural Backgrounds (Literature) .....	12 credits	
Year sequence in Natural Science.....	12-15 credits	
Zoology or Botany or Chemistry or Physics		
Year sequence in Social Studies.....	13-15 credits	
Europe Since 1815 or		
Sociology; Economics; American Government		
Year sequence in a Modern Language.....	15 credits	
French or German or Spanish		
General Psychology.....	5 credits	
Physical Education Activities .....	credits	
Free electives .....	credits	
Total.....		99 credits

**SECRETARIAL SCIENCE**

Eng. 1, 2, 3, 4	English Composition, Cultural Backgrounds...	12 credits
Psych. 1	General Psychology .....	5 credits
Ec. Bus. 14, 15, 16	Typewriting .....	9 credits
Ec. Bus. 20, 21, 22, 23	Shorthand .....	16 credits
Natural Science Electives.....	12-15 credits	
Physical Education	Activity each quarter.....	credits
Electives .....	credits	
Total .....		99 credits



## Part III. Courses

This section of the catalog contains descriptions of courses offered.

The fields of instruction are arranged in alphabetical order.

Courses numbered 1-99 are intended primarily for freshmen and sophomores; those numbered 100 and above for juniors and seniors.

### AERONAUTICS

**Aero. 11. Basic Ground Instruction.** Includes civil air regulations, meteorology, aerial navigation, aerial radio, and general service of aircraft. Fall, winter, spring quarters. Five credits.

**Aero. 12. Private Pilot Training.** Includes elementary flight training, dual and solo flying, requirements for private pilot's license. *Prerequisite:* Aero. 11 completed or in progress. Fall, winter, spring quarters. One-half credit per quarter.

### ART

ASSISTANT PROFESSORS GINGRICH, SWERER, WILEY

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

#### COURSE DESCRIPTIONS

**Art 1. Introduction to Art.** The art of color and form; its place in life, education, and the school. Emphasis upon organization and pattern design with crayon, chalk, pencil, charcoal, etc. All quarters. Five credits. Staff.

**Art 115. Design and Color I.** The purpose of this course is to give to the student a practical working knowledge of the principle of harmony in the use of design and color. Media commonly used by children are employed in working out problems for use in school. Fall, winter and summer quarters. Four credits. Staff.

**Art 117. Design and Color II.** A continuance of Art 115. Development of pattern consciousness. Fall quarter. 3 credits. Staff.

**Art 119. Design and Color III.** Built on Art 115 and Art 117—technique in drawing and color used in pattern is emphasized. Pattern design prepared for commercial use is stressed. Spring quarter. 3 credits. Staff.

**Art 121. Guidance in Creative Activity.** Planned to meet the needs of the teacher who wishes the children under her guidance to achieve the fullest growth and development possible through creative experience in art. Practical knowledge and understanding of the psychology and

educational philosophy determining child guidance; use of illustrative material; a limited amount of individual experience in creative art. Winter quarter. Three credits. Gingrich.

**Art 123. Primary Construction.** Construction of a simple problem directly usable in the primary grades and rural schools. Emphasis placed upon building according to the principle and laws of organization. Spring and summer quarters. Three credits. Gingrich, Swerer.

**Art 125. Color.** The theories of color; color combinations applicable to costumes, interior decoration and ornament. Winter quarter. Three credits. Swerer. Staff.

**Art 127. Art Organization.** A study of the philosophy, psychology and practice of the principles and laws of organization as revealed in the art procedure. Practice in developing the ability to organize units of work which are designed for application to the integration method of learning. Consideration of the color-form art as a method of free creative expression of the child's intellectual, emotional and spiritual initiative. Text: Development Course of Study. Fall, spring and summer quarters. Four credits. Swerer.

**Art 129. Drawing I.** A course in freehand drawing in which perspective, representational drawing, and methods of expression in drawing are studied. Winter quarter. Three credits. Staff.

**Art 131. Drawing II. Figure Drawing.** Advanced drawing, working from the draped figure. *Prerequisite: Drawing I.* Fall quarter. Three credits. Staff.

**Art 133. Drawing III.** Practice in illustrative drawing through problems in pictorial composition. Study of technique with pen and ink, pencil, wash, and other media. Spring quarter. Three credits. Wiley.

**Art 135. Ceramics I. Pottery.** A course in pottery; glazing and firing. Fall quarter. Four credits. Wiley.

**Art 137. Ceramics II.** Advanced pottery and ceramic sculpture: casting, glazing, firing. Winter quarter. Four credits. Wiley.

**Art 139. Sculpture I.** A course for the development of self-expression through sculpture. Sculpture made from wood, stone, soap, etc. Spring quarter. Three credits. Wiley.

**Art 141. Sculpture II.** Further study of sculpture, through expression and history. Summer. Four credits. Wiley.

**Art 143. Crafts I.** Construction and application of contour design to bookbinding, basketry and other crafts. Four credits. Winter quarter. Wiley, Swerer.



**Art 145. Crafts II.** Application of decorative and contour design. Wood-blocking, dyeing, weaving, leather work, bookmaking and art metal. *Prerequisite: Art 117.* Spring and summer quarters. Four credits. Swerer, Wiley.

**Art 147. Puppetry and Related Arts.** The construction of puppets, masks, shadow forms and stage sets. Emphasis is placed upon art structure. Fall quarter. Three credits. Gingrich, Wiley.

**Art 149. Art Recreational Activities.** A craft course adapted particularly to the use of crafts for hobbies, recreational and therapeutic purposes. Spring and summer quarters. Three credits. Staff.

**Art 151. Arts and Crafts for Handicapped Children.** A selection of arts and crafts, the making of which physically, mentally, and socially helps to restore the handicapped child to his normal place in society. Fall and summer quarters. Five credits. Swerer.

**Art 153. Picture Composition.** Using Water Color as a medium. The development of pictorial composition and color quality through the use of various techniques and processes relative to water color as a medium. *Prerequisite: Art I.* Fall quarter. Three credits. Wiley, Swerer.

**Art 155. Picture Composition.** A course in which the medium for expression is oil paint. Composition is emphasized. Winter quarter. Three credits. Wiley.

**Art 157. Lettering.** Manuscript, broad pen, and poster lettering. This course may be combined with Art 167. Winter quarter. Two credits. Staff.

**Art 159. Commercial Design.** Pen and ink illustration, poster making and other types of advertising. *Prerequisite: Art 117.* Fall quarter. Four credits. Staff.

**Art 161. Interior Decoration.** Development of appreciation of color, form and arrangement, as applied to interior decorating, emphasizing the problem of the small house. Problems in schoolroom planning and decoration are considered. Spring quarter. Three credits. Staff.

**Art 163. Blackboard Sketching.** A course in sketching on the blackboard, utilizing various methods. Spring and summer quarters. Three credits. Swerer.

**Art 165. Art Backgrounds.** A course in the appreciation of color-form art, its growth and its influence on the life of man. Fall quarter. Three credits. Wiley.

**Art 167. History of Art.** The course is based upon the understanding that "Art is the index to the characteristics of races, nations and individuals." Architecture is given the main place in the course. Winter quarter. Four credits. Swerer.



**Art 169. Picture Study.** A course for the development of appreciation of pictures through the study of personal emotion-reaction, structural form, historical significance, personality of artist and the subject, with consideration of methods of presentation in the elementary school. Fall quarter. Three credits. Swerer.

**Art 171. Appreciation of Folk-Art.** A study of the arts of the folk and their significance in the life of the people. This will include mainly the crafts and architecture. Summer quarter. Three credits. Swerer.

**Art 173. Philosophy of Art.** A course designed to help to establish and to expand the meaning of art—thereby making it more practical and adaptable to the problems of living. Winter quarter. Three credits. Swerer.

**Art 175. Public School Art.** Practical study of the work in art which is directly applicable to the problems of the elementary and junior high schools. *Prerequisite: Art 1.* All quarters. Three credits. Staff.

**Art 177. Student Teaching in Art.** Teaching under supervision in the Laboratory School. Fall, winter and spring quarters. Three credits. Gingrich.

## BIOLOGY

PROFESSOR HUNGATE ; INSTRUCTOR ROGERS

Note: See Gen. Ed. 4, 5, 6 Integrated Course in Natural Sciences.

### COURSE DESCRIPTIONS

**Biol. 2. Introduction to Biology.** An elementary course, which includes a survey of the most significant plant and animal groups, the interrelations of the two kingdoms and their connection with human welfare. Some time also is devoted to genetics and its implications. Winter and spring quarters. Five credits. Rogers.

**Biol. 20. Boy Scout Leadership.** Given in conjunction with the Inland Empire Council, Boy Scouts of America. Training in scoutcraft and the organizing and conducting of a troop. A certificate is presented to each man completing the course. Spring quarter. One credit. Hungate.

**Biol. 51, 52, 53. Zoology.** Structure and natural history of the invertebrates. Structure, physiology and classification of the vertebrates, using selected types for laboratory work. The different vertebrate groups with reference to their ecological and taxonomic relationships, including field work and preparation of specimens. Fall, winter and spring quarters. Four credits a quarter. Hungate.

**Biol. 61, 62, 63. Botany.** A study of the thaleophytes, bryophytes and spermatophytes in relation to their structure, ecology and importance. Elementary taxonomy of the spermatophytes. Field work is required

in the spring quarter. Fall, winter and spring quarters. Four credits a quarter. Hungate.

**Biol. 109. Field Biology.** Identification, natural history and ecology of some of the most common plants and animals of the region, particularly birds, insects, conifers and flowering plants. Field work required. Spring quarter. Three credits. Hungate.

**Biol. 112. Applied Botany.** Study of the plant kingdom primarily from the standard of the importance of its members to man. The emphasis is placed upon higher plants and includes their medicinal, cultural, ornamental and general economic value. Fall quarter. Two credits. Hungate.

**Biol. 114. Ornithology.** Study of the birds of the region, their identification, food habits and economic importance. Field work required. Offered alternate years. Not offered in 1947-1948. Three credits. Hungate.

**Biol. 116. Entomology.** Structure and classification of insects. Their economic relationships and suitability for nature work in the elementary school is stressed. Spring quarter. Four credits. Rogers.

**Biol. 117. Advanced Entomology.** A course dealing particularly with the principles of economic entomology. Attention is also given to classification. A substantial collection is required. Periods by arrangement. Spring quarter. Three credits. Rogers.

**Biol. 118. Parasitology.** Study of the life history, importance and distribution of the external and internal animal parasites on the basis of their grouping in the animal kingdom. Winter quarter. Two credits. Rogers.

**Biol. 120. Bacteriology.** Study of bacteria and other micro-organisms, their growth and importance. Practice in making media, transferring cultures, staining and differential tests. Winter quarter. Four credits. Hungate.

**Biol. 121. Genetics.** An elementary course dealing with the principles of heredity in plants and animals. Fall quarter. Two credits. Hungate.

**Biol. 122. Technique in Biology.** Collection, fixation and preparation of material suitable for use in biology; including sectioning and staining; the making of charts, photography and preparation and care of aquaria and terraria. Offered alternate years. Fall quarter. Two credits. Hungate.

**Biol. 126. Advanced Genetics.** Practical work in the development of the principles of genetics, using various forms in the laboratory. *Prerequisite: Biol. 121.* Given alternate years. Fall quarter. Two credits. Hungate.



## CHEMISTRY

ASSISTANT PROFESSOR TALLYN AND STAFF

Note: See Gen. Ed. 4, 5, 6 Integrated Course in Natural Sciences.

### COURSE DESCRIPTIONS

**Chem. 31. Everyday Chemistry.** A survey course of cultural value and of special direct use to those teaching science in public schools. Alternate summers. Five credits. Staff.

**Chem. 51, 52, 53. General Chemistry.** The principles of chemistry and the properties of the elements and their more important compounds, with emphasis on the application of chemistry to industry and everyday life. These courses run in sequence and should be begun in the fall quarter. Three class periods and two double laboratory periods a week. Fall, winter, spring quarters. Five credits a quarter. Tallyn.

**Chem. 105, 106. Qualitative Analysis.** Review and extension of chemical principles, applicable to analysis; the systematic detection of metals and acid groups leading to the identification of simple inorganic substances. These courses run in sequence and should be begun in the fall quarter. Two class periods and two double laboratory periods a week. *Prerequisites:* Chem. 51, 52, 53. Fall and winter quarters. Four credits a quarter. Tallyn.

**Chem. 107, 108, 109. Organic Chemistry.** An introduction to the chemistry of carbon compounds, including the principles of organic chemistry and methods of preparation and properties of the typical and more important inorganic compounds, with special attention to those of importance in industry and everyday life. These courses run in sequence and should be begun in the fall quarter. Three class periods and two triple laboratory periods a week. *Prerequisites:* Chem. 51, 52, 53. Fall, winter, spring quarters. Five credits a quarter. Tallyn.

**Chem. 110, 111. Quantitative Analysis.** Gravimetric and volumetric analysis; stoichiometrical relations. These courses run in sequence and should be begun in the spring quarter. Two class periods and two double laboratory periods a week. *Prerequisites:* Chem. 51, 52, 53. Spring quarter. Four credits a quarter. Tallyn.

### COLLEGE ELEMENTARY SCHOOL

PROFESSOR FRASIER; PRINCIPAL BREWER; ASSISTANT PROFESSORS BARTON, CASSIDY, LANG, McGRATH, NEWLAND; INSTRUCTORS FITZPATRICK, HITCHCOCK, JOHNSON, PEARSON, VANDEVANTER; LIBRARIAN CULLEN

Student teaching is provided in the College Elementary School, the Cheney Junior High School, and the Elementary and Junior High Schools of Spokane.

*Students must register with the Director of Student Teaching for Student Teaching during the second and third weeks of the quarter immediately pre-*



ceeding the one in which they wish to do their teaching. As far as possible, students will be assigned to the grade which they request.

The college has complete, up-to-date facilities for the training of kindergarten as well as elementary and junior high teachers.

#### COURSE DESCRIPTIONS

See Ed. 178, 191-4-8.

### ECONOMICS AND BUSINESS

ASSISTANT PROFESSORS ADAMS, DAYTON,  
NELSON, STEWART; INSTRUCTORS FOSS, TAYLOR

Note: See Gen. Ed. 7, 8, 9 Integrated Course in Social Studies.

#### COURSE DESCRIPTIONS

**Ec. Bus. 14, 15, 16. Typewriting.** Fundamentals of typewriting. Techniques of writing, operating and caring for the machine. Development of speed. Arrangement and typing of outlines, term papers, personal letters, manuscripts, business letters, etc. Ec. Bus. 14 is not open to students who have earned typewriting credits in high school or college. Ec. Bus. 14 or not more than one semester of high school typewriting is prerequisite for Ec. Bus. 15. Ec. Bus. 14, or 15, or equivalent is prerequisite for Ec. Bus. 16. Fall, winter, spring quarters. Three credits a quarter. Taylor.

**Ec. Bus. 20, 21, 22. Shorthand.** A service course for teachers and students. Students beginning in the fall quarter must continue throughout the year. Fall, winter, and spring quarters. Four credits a quarter. Taylor.

**Ec. Bus. 23. Advanced Shorthand.** A course in dictation and transcription with a review of the principles of shorthand. Fall quarter. Four credits.

**Ec. Bus. 35. Office Practices.** The study of efficient office methods, management and procedures in modern business. Spring. Three credits. Taylor.

**Ec. Bus. 51, 52, 53. Elements of Accounting.** An introduction to the study of accounting with consideration of the functions of accounts, business statements, books of original entry, business forms and papers. Fall, winter, spring quarters. Five credits each quarter.

**Ec Bus. 62. Principles of Economics.** An introduction to some of the economic problems which confront society in the United States: human wants and the scarcity of goods, technology, unemployment, corporate enterprise and industrial conflict, labor unions and their policies, money and banking, international trade, public utilities and organized markets. All quarters. Five credits. Dayton.

**Ec. Bus. 71. Statistical Analysis.** The application of statistical methods to business and social problems. The interpretation, collection and presentation of statistical data. Spring quarter. Five credits. Staff.

**Ec. Bus. 90. Advertising.** The growth and expansion of advertising, including types, media, objectives, controls, problems, and relation to business and enterprise. Fall. Three credits. Foss.

**Ec. Bus. 100. Corporate Finance.** The evolution of the corporation, structure and organization, functions, types of securities issued, underwriting, syndicates, management and legal controls. Fall. Three credits. Staff.

**Ec. Bus. 108. Economic History of the United States.** A general survey of the economic development of the United States from Colonial times to the present; explorations and settlements, colonization, the westward movement, growth of finance, industry, commerce, transportation and labor movements. *Prerequisite: Ec. Bus. 62.* Fall quarter. Five credits. Dayton.

**Ec. Bus. 115. Marketing.** Distribution and sales of goods, commodities and services, commercial paper, salesmanship, competition, deliveries, and legal controls. Winter. Three credits. Staff.

**Ec. Bus. 120. Utilities.** The nature and development of public and private utilities, types, functions, regulation, utility boards and commissions, finances, rate-making, and leading court cases. Winter. Four credits. Staff.

**Ec. Bus. 123. Labor Relations.** A study of labor organizations, problems and legislation. *Prerequisite: Ec. Bus. 62.* Winter quarter. Three credits. Nelson.

**Ec. Bus. 125. Labor Problems and Legislation.** A study of the problems of labor, including federal and state legislation, with labor cases and materials. Fall quarter. Three credits.

**Ec. Bus. 126. History and Problems of the Labor Movement.** The development of the American Labor movement, the structure of unionism, demands and accomplishments of labor, the contemporary movement. Winter quarter. Three credits.

**Ec. Bus. 128. Personnel Management.** A study of the administration of human relations in industry, the development of employment relations, problems and methods of selecting and placing personnel, problems and methods of labor maintenance, the criteria for effective personnel management. Spring quarter. Five credits.

**Ec. Bus. 130. Applied Economics.** An advanced course in economics dealing with the theory of monopoly prices, wages, interest, profits, and the business cycles; social security, the financing of government, public expenditures, revenues, public loans and debts; economic systems,



capitalism, fascism, socialism and communism. *Prerequisite: Ec. Bus. 62.* Five credits. Dayton.

**Ec. Bus. 133. Business Law.** This course aims to bring out the more important legal factors related to contracts, agency, negotiable paper, property and business organization. *Prerequisite: Ec. Bus. 62.* Winter quarter. Five credits.

**Ec. Bus. 135. Money and Banking.** Money and banking theories and systems in principal countries of the world, with emphasis on the historical development of banking in the United States. *Prerequisite: Ec. Bus. 62.* Winter quarter. Five credits.

**Ec. Bus. 137. Transportation.** The evolution of transportation, particularly in the United States, the stage-coach, prairie schooner, the railroad, the automobile, and the airplane. Considerable attention to the various problems arising at different stages of this evolution. Fall quarter. Five credits. Stewart.

**Ec. Bus. 141. World Economic Problems.** This course emphasizes current world conditions: the problems of population, the search for markets and raw materials, world trade, cartels, capital investments, foreign exchange, the gold standard and managed currencies, the world bank, and imperialism. *Prerequisite: Ec. Bus. 62, Ec. Bus 103.* Four credits.

**Ec. Bus. 150. Economic History of Europe.** A study of the historical evolution of modern economic life and institutions in Europe since 1500, the commercial and industrial revolution, the development of agriculture, transport, industry, labor, and public welfare. Winter quarter. Five credits. Adams.

**Ec. Bus. 153. International Trade.** The expanding industrial and agricultural economy of the United States must adjust itself to the changing demands of a new postwar world. This course will deal particularly with the historical and economic background of international trade, international commercial policies, transportation and communication facilities, international finance, and the practical aspects of importing and exporting. *Prerequisite: Ec. Bus. 62.* Four credits. Dayton.

**Ec. Bus. 155. Investment Securities.** Types of stocks, bonds, certificates of indebtedness, functions of stock and commodity exchanges, boards of trade, legal controls, investment trusts, principles of sound investment. Spring. Three credits. Staff.

**Ec. Bus. 160. Public Finance and Taxation.** Federal, State, Municipal, and Special District or Regional Securities, foreign loans, the public debt, interest rates, defalcation, refinancing, the taxing power and revenues. Spring. Five credits. Staff.

**Ec. Bus. 165. Insurance.** A study of individual and social efforts to provide security against the hazards of life. A brief survey of the various fields of private insurance as well as the trend in social insurance. Spring quarter. Five credits. Staff.



**EDUCATION**

PROFESSORS FRASIER, WILLIAMSON ;  
ASSOCIATE PROFESSORS HEISLER, WALLACE ;  
ASSISTANT PROFESSORS BARBER, McGRATH

**COURSE DESCRIPTIONS**

**Ed. 51. Introduction to Education.** An introduction to professional education by means of school visits and selected readings. Visits will be made to the Laboratory School and to the Junior and Senior High Schools of Cheney. Two credits. Staff.

**Ed. 107. Teaching Problems in the Elementary School.** A seminar course for advanced students. The workshop technique is used and the student works on problems of his own selection. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements and instructor's consent.* Summer quarter. Credits to be arranged. Staff.

**Ed. 108. Elementary School Reading Techniques.** The mental processes in reading procedures and techniques which are most economical in teaching reading in the elementary grades. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Two and one-half credits. Staff.

**Ed. 120. Elementary School Supervision.** The improvement of instruction through supervision in grades one to nine inclusive. Emphasis on this problem as related to the small school system. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements; Ed. 133 or Ed. 134; one year of teaching experience.* Summer quarter. Four credits. Frasier.

**Ed. 126. Elementary School Administration.** The practical problems of elementary administration, supervision, and school finance adapted to the needs of students preparing to serve as elementary school principals. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements; Ed. 133 or Ed. 134; one year of teaching experience.* Summer quarter. Four credits. Frasier.

**Ed. 131. Research in Education.** An opportunity for students with adequate background and experience to make intensive and independent study of some special problems in education. Interested students should confer with Dr. Williamson before enrolling and indicate to him the nature of the study they wish to develop. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Credits and hours to be arranged.

**Ed. 133. Conflicting Theories in Modern Education.** The various trends and conflicts in American education. The development of the

theory of the so-called "activity program" as framed by the thinking of Rousseau, Pestalozzi, Dewey and others; the "discipline" theory; the scientific movement in education. An effort is made to understand the contrasting educational viewpoint of leading contemporary educators. *Prerequisites: A cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Five credits. Williamson.

**Ed. 134. Social Foundations of Education.** The purposes of education in American democracy, the role of the teacher in the educative process, the characteristics of society that are most important in determining the character of the teaching process. The course considers those social and economic problems that are most pertinent to educational theory and methodology. The chief purpose of the course is to help the student build for himself a democratic philosophy of education. *Prerequisites: A cumulative grade point average of 1.00; completion of all general requirements. Psychology 155 completed or in progress.* All quarters. Five credits. Williamson.

**Ed. 141. Educational Guidance.** Principles and techniques for the discovery and direction of the individual's abilities, interests, and achievements. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Four credits. Heisler.

**Ed. 143. Education in the Kindergarten.** Study and observation of the five-year-old child and a survey of the history, principles, procedures, and equipment as they apply to the kindergarten. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Three credits. Fitzpatrick.

**Ed. 147. Remedial Reading.** Diagnosis of reading difficulties through the use of diagnostic devices and tests. Study of cases, clinic procedures and suggestions for remedial work. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Three credits. Summer and spring quarters. Heisler.

**Ed. 149. Tests and Measurements.** A short historical background of the field of tests, measurement, and evaluation, for the purpose of seeing the changing concepts of child accounting and the relationship of testing, measurements, and evaluation to changes in educational philosophy. Practice in the construction of tests, consideration of the characteristics of examinations, the use of cumulative records and case histories, and controlled observations. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Four credits.

**Ed. 150. Science in the Elementary School.** Consideration will be given to the function of science in an integrated program and to the place of reading, arithmetic, language and creative arts in the development of science activities. Course includes content for the classroom teacher and an opportunity to work with materials and experiments in



elementary science. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Not offered 1946-47. Two and one-half credits.

**Ed. 151. Elementary School Social Studies Techniques.** The place of Social Science in the total school program, the development of principles involved in the teaching of Social Science. An opportunity to develop units in Social Science for different grade levels. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Five credits. McGrath.

**Ed. 152. Historical Foundations of Education.** Furnishes background and historical perspective for viewing present trends in elementary education. The evolution of educational philosophy and the relation of the school to social change; the development of the American system of tax supported schools. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Fall and spring quarters. Four credits. Williamson.

**Ed. 153. Elementary School Curricula.** The objectives, content and material of the various subject matter fields of elementary and junior high schools. The "Guides for Teachers" prepared by the State Curriculum Committees constitute the basic materials for study. *Prerequisites: A cumulative grade point average of 1.00; completion of all general requirements; Psych. 155; Ed. 134.* Four credits. Staff.

**Ed. 162. Audio and Visual Aids.** Actual practice in the use of motion picture projectors, stereoscopes, microscopes and in the taking of movie and still pictures. Planning of room museums, exhibits, bulletin boards and use of pictures and excursions. Along with the informal semi-laboratory plan of a course, a text will be used. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Two and one-half credits.

**Ed. 164. Education and Contemporary Culture.** With the cooperation of the various departments of the college, an effort is here made to present an integrated view of contemporary American culture and its relation to the schools. The course aims to present the most significant aspects of American civilization, how the school was shaped by the culture and how the schools in turn help to modify the culture. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all general requirements.* Summer quarter. Five credits. Staff.

**Ed. 174. Educational Sociology.** The educational significance of our society's traits, trends and tensions. Relations of educational objectives, curricula, techniques, organization and administration to domestic, economic, political, religious, aesthetic and recreational institutions. Traditions, group behavior, culture problems and foreign affairs in relation to education. The development of a social philosophy of education. *Prerequisites: Junior standing; a cumulative grade point*

average of 1.00; completion of all general requirements. Four credits. Wallace.

**Ed. 178. Public School Curriculum.** Combines former "Ed. 153 Elementary School Curricula," "L. S. 182 Elementary School Preteaching," and "L. S. 188 Junior High Preteaching" courses. Objectives, content, materials, and techniques in elementary and junior high subject matter fields except Art, Industrial Education, Music, and Physical and Health Education (See Art 181; I. Ed. 102; Mus. 101; P. H. E. 146). Emphasis on "Guides for Teachers" prepared by State Curriculum Committees. Lectures, discussions, assigned problems, and observation. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all general requirements; Ed. 134; Ed. 155. Fall, winter, spring quarters. Seven credits. Barton and Brewer.

**Ed. 182. Washington State Manual.** Designed for students in the last year before teaching to acquaint them with the chief aspects of the Washington system of public schools; the evolution from local support and control to the present condition of balance of state and local control; district, county, and state systems of administration; sources of school support; the movement toward consolidation; professional organizations. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all general requirements. All quarters. One credit. Wallace.

**Ed. 188. Directed Observation and Teaching of a Remedial Class.** Students taking this course must have had or be taking "Psych. 160 Diagnostic Techniques and Special Measurements" and "Ed. 147 Remedial Reading." Diagnostic and corrective work. Two and one-half credits. Spring and summer quarters. Heisler.

**Ed. 191. Kindergarten-Primary Student Teaching.** Supervised teaching in the kindergarten or primary grades—one, two, three. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Ed. 134, 155, 178; Math. 1; Speech 11. Fall, winter, spring quarters. Fifteen credits. Staff.

**Ed. 194. Middle Grade Student Teaching.** Supervised teaching in the middle grades—four, five, six. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Ed. 134, 155, 178; Math. 1; Speech 11. Fall, winter, spring quarters. Fifteen credits. Staff.

**Ed. 198. Junior High Student Teaching.** Supervised teaching in the junior high school grades—seven, eight, nine. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Ed. 134, 155, 178; Math. 1; Speech 11. Fall, winter, spring quarters. Fifteen credits. Staff.

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NOTE: Students interested in Kindergarten and Primary teaching are advised to be able to play the piano well enough to accompany simple songs. Completion of a minor in Music is advantageous.



## ENGLISH

ASSISTANT PROFESSORS DICKINSON, DRESSLER, HOLMQUIST ;  
INSTRUCTORS ELROD, FOSS, HERRING, McALLISTER, MILES, SEILER

Note: See Gen Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

**Eng. 1, 2, 3. Composition.** Basic principles of English usage. Study and practice in reading comprehension, clear and effective writing, the use of the library, the preparation of papers and reports, and analytical criticism. The work is adjusted to different levels of ability; individual conferences and laboratory type of procedure are employed. Subject matter is closely integrated with problems of current interest and with work in other subjects. Three credits each.

**Eng. 4. Cultural Backgrounds.** Comprehensive view of literary types as they reflect American cultural tendencies. English majors may substitute English 30 for English 4. *Prerequisite:* English 2. Fall, winter, spring and summer quarters. Three credits. Staff.

**Eng. 7. Writing Clinic.** Diagnostic and remedial work in mechanics and the principles of organization. Conferences by arrangement. Registration clearance by department head required. Fall, winter, spring quarters. One credit. Staff.

**Eng. 8. Report Writing.** Intensive and advanced work in techniques of library research and the preparation of reports based on research, experiment, or field-gathered data. Three credits.

**Eng. 30. Introduction to Poetry.** Study of the qualities and character of poetry, poetic methods and types, with a view to the development of understanding and appreciation. Fall, winter and spring quarters. Three credits.

**Eng. 33. Introduction to Fiction.** Short stories and novels presented for appreciation of story in literature. Open to all students. Three credits.

**Eng. 34. Introduction to Drama.** Types of dramatic literature and their development. Representative plays. Open to all students. Three credits.

**Eng. 35. Masterpieces of World Literature.** Great books selected chiefly from the literature of Europe and America. Open to all students. Two credits.

**Eng. 39. Directed Reading.** Individual reading and conferences designed primarily for the non-English-major, with a view to developing his literary background. Two-four credits.

**Eng. 40. The Short Story.** The development and analysis of the short story. Open to all. Summer quarter. Two credits.

**Eng. 41. The History of the Novel.** The development of the novel from European prototypes, with analysis of novels of England and America. Three credits.

**Eng. 54, 55, 56. Approach to Humanities.** A comprehensive view of cultural development in the western world as reflected especially in the literature of Europe, England, and America. Fall, winter and spring quarters. Three credits each.

**Eng. 60. Introduction to Shakespeare.** Reading of the principal types of Shakespeare's plays. Fall quarter. Two credits.

**Eng. 102. Junior High School Literature.** Introduction to literary materials and their use in the junior high school. Two credits.

**Eng. 103. Children's Literature.** An introduction to the field of story and verse for children. Objectives, evaluation, methods of presentation. Three credits.

**Eng. 131. Modern Poetry.** Reading and discussion of the chief British and American poets of the 20th Century; their trends and values. Three credits.

**Eng. 140. Chaucer.** Reading and interpretation of the chief poetry of Geoffrey Chaucer. Three credits.

**Eng. 150. Shakespeare.** Reading and interpretation of the principal comedies, histories and tragedies of Shakespeare, intensive study of one play. Winter quarter. Five credits.

**Eng. 154. Elizabethan Literature.** The chief non-dramatic poetry and prose writers of the 16th Century, with special emphasis on Spenser, Sidney, Lyly, and their contemporaries. Three credits.

**Eng. 158. Modern Drama.** The chief contemporary dramatists. Study of trends and developments in subject matter, staging, and dramatic techniques. Three credits.

**Eng. 165. Seventeenth Century Literature.** The poetry and prose of Bacon, Donne, Milton and their contemporaries. Three credits.

**Eng. 172. Eighteenth Century Literature.** The poetry and prose of the chief writers of the Restoration and Eighteenth Century in England. Three credits.

**Eng. 174. The Romantic Movement.** The rise of romanticism in England and Europe, with emphasis on its expression in English literature. Three credits.



**Eng. 177. Victorian Literature.** The poetry and prose of the middle and late Nineteenth Century in England. Three credits.

**Eng. 180. American Literature to 1860.** The literature of America from colonial times to the Civil War, with emphasis on the New England renaissance. Three credits.

**Eng. 181. Modern American Literature.** The literature of America from the Civil War to the present day, with emphasis on the prose and poetry of the realistic movement. Three credits.

**Eng. 186. Twentieth Century Literature.** The literature of the present century in Europe and America, especially since 1920. Three credits.

**Eng. 193. The Writing of Criticism.** The principles of criticism, the analysis of critical essays, and practice in the writing of critical exposition. Two credits.

**Eng. 194. Narrative and Descriptive Writing.** Three credits.

**Eng. 196. Development and Use of the English Language.** The anatomy of modern English, its history, the study of semantics. Five credits.

**Eng. 195. Semantics.** An approach to the problems of straight thinking and accurate, effective communication of thought through a study of language; symbols and meanings. Three credits.

**Eng. 197. English Syntax.** A review of fundamental constructions and grammatical relationships in the sentence; the descriptive approach. Recommended for all who plan to teach. Three credits.

## FRENCH

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

**Fr. 1, 2, 3. First Year French.** Grammar, composition, reading of simple texts. Students must begin work in the fall quarter and continue throughout the year. Fall, winter and spring quarters. Five credits a quarter.

**Fr. 4, 5, 6. Second Year French.** Further study of syntax, composition, rapid reading of texts. The course must be begun in the fall quarter and continued throughout the year. *Prerequisites: Three quarters or two semesters of French.* Fall, winter and spring quarters. Five credits a quarter.

## GENERAL EDUCATION

### COURSE DESCRIPTIONS

**Gen. Ed. 1, 2, 3. Integrated Course in Humanities.** Art, Literature, Music, and Philosophy principal sources for instructional materials. Accepted as completing the General Education requirements in the Humanities for the degree of Bachelor of Arts, provided all three quarters of Gen. Ed. 1, 2, 3 are completed. Accepted in lieu of Art 167, Eng. 4, Mus. 52, and Phil. 51 in the requirements for the degree of Bachelor of Arts in Education, provided all three quarters of Gen. Ed. 1, 2, 3 are completed. Fall, winter, and spring quarters. Five credits each quarter. Dressler, Lawton, Swerer, Wallace, and staff.

**Gen. Ed. 4, 5, 6. Integrated Course in Natural Sciences.** Biological and physical sciences principal sources for instructional materials. Accepted as completing the General Education requirements in the Natural Sciences for the degree of Bachelor of Arts, provided all three quarters of Gen. Ed. 4, 5, 6 are completed. Accepted in lieu of Biol. 2, Math. 54 or 55, and Phys. 3 in the requirements for the degree of Bachelor of Arts in Education, provided all three quarters of Gen. Ed. 4, 5, 6 are completed. Fall, winter, and spring quarters. Five credits each quarter. Rogers.

**Gen. Ed. 7, 8, 9. Integrated Course in Social Studies.** Economics, Geography, History, Political Science, and Sociology principal sources for instructional materials. Accepted as completing the General Education requirements in the Social Studies for the degree of Bachelor of Arts, provided all three quarters of Gen. Ed. 7, 8, 9 are completed. Accepted toward the "choice of 20 credits in Social Studies" requirement for the degree of Bachelor of Arts in Education, provided all three quarters of Gen. Ed. 7, 8, 9 are completed. Fall, winter, and spring quarters. Five credits each quarter. Freeman, Ludwig, and staff.

**Gen. Ed. 51. Introduction to the Study of Languages.** The development and differentiation of the languages of Europe, including historical changes and comparison of language forms. Especially recommended for modern language majors, but open to all students. Three credits.

## GEOGRAPHY AND GEOLOGY

Note: See Gen. Ed. 7, 8, 9 Integrated Course in Social Studies.

### COURSE DESCRIPTIONS

**Geog. 1. Elements of College Geography.** The fundamental principles of human adjustment to natural environment. Objectives: (1) to develop in the student the ability to interpret geographic environment in terms of its relation to human activities; (2) to train the student in the selection and organization of essential materials for teaching of geography. All quarters. Five credits. Freeman and Staff.



**Geog. 2. World Geography.** A survey of the natural regions of the various continents and the resulting human adjustments to varied environments. Includes studies of important place locations. Students who have earned credit in any continent course in Geography are not eligible for credit in Geog. 2. Winter quarter. Four credits. Staff.

**Geog. 57. Northwest Geography.** An economic study of the contrasted distribution of population and industries in relation to the contrasted geographic environment of the region. Suggestions for various methods of teaching the geography of the state of Washington and adjacent regions. Practical problems to be carried over into the elementary and junior high teaching. Fall, winter, and summer quarters. *Prerequisite: Geog. 1.* Four credits. Freeman.

**Geog. 102. Materials and Techniques of Geographic Education.** Of practical importance to teachers in Public Schools. Two credits. Alternate summers. Staff.

**Geog. 103. Commodities and Trade.** The location and production of essential commodities in the United States, and the geographic features affecting their production and distribution. A geographic study of the commerce of foreign countries and world trade. Winter and summer quarters. Four credits. Staff.

**Geog. 104. North America.** A study of the geographical characteristics of the regions of the continent (excluding Mexico) with their varied economic life, physical environments and cultural development. *Prerequisite: Geog. 1.* Fall and alternate summer quarters. Four credits. Staff.

**Geog. 105. South America.** A regional study of the continent emphasizing our commercial relations with South America, and the social, economic, and political problems in relation to natural environment in the various regions. *Prerequisite: Geog. 1.* Fall and alternate summer quarters. Three credits. Freeman.

**Geog. 109. Political Geography and World Problems.** A study of the geography of different parts of the world in relation to zones of conflict, with special attention to the problems of Europe. Of special value to teachers in the interpretation and correlation of geography and history. *Prerequisite: Geog. 1.* Winter quarter. Three credits. Freeman.

**Geog. 111. Asia.** A regional study of the continent, with attention to relationships between economic activities and natural environment in the various geographic regions and countries. *Prerequisite: Geog. 1.* Winter quarter. Four credits. Freeman.

**Geog. 112. Africa.** A regional study of Africa and the industries and culture of the people as related to the environment. *Prerequisite: Geog. 1.* Winter and alternate summer quarters. Three credits. Freeman.

**Geog. 113. Europe.** A study of the economic and political development of peoples as related to natural and non-environmental conditions in Europe. *Prerequisite: Geog. 1.* Fall and alternate summer quarters. Four credits. Staff.

**Geog. 114. Weather and Climate.** The principles of meteorology. The study of climatic divisions of the earth and their relations to human activities. Special attention to construction and interpretation of weather maps and climatic charts. *Prerequisite: Geog. 1.* Fall quarter. Three credits. Staff.

**Geog. 115. Geography of the Pacific.** The oceanic islands, coasts, trade routes, geographic influences, and commercial, economic and political problems of the Pacific. *Prerequisite: Geog. 1.* Spring and alternate summer quarters. Three credits. Freeman.

**Geog. 117. Resources and Their Conservation.** Special emphasis placed upon the conservation of mineral resources, timber supply, soil fertility. Land planning in relation to conservation. Problems of land use. Spring and alternate summer quarters. Three credits. Staff.

**Geog. 119. Overseas America.** Problems and strategic importance of Alaska, Hawaii, Panama, Philippines, possessions and bases in the Caribbean, etc. *Prerequisite: Geog. 1.* Alternate years. Three credits. Freeman.

**Geog. 120 Field Trips.** Six all-day (usually Saturday) or afternoon field trips in geology and geography to Grand Coulee, "Hole-in-the-Ground," and other places. No prerequisite. Summer quarter. One credit. This course may be taken twice for credit if different trips are offered. Staff.

**Geog. 121. Advanced Field Trips.** A two-week excursion, taken during the summer to places of special geographic interest and importance. Intensive study of geologic and geographic conditions during the trip. Two or three credits. Staff.

**Geog. 123. Middle America.** Regional studies of the West Indies, Mexico, Central America, and the Caribbean area. *Prerequisite: Geog. 1.* Alternate years. Spring quarter. Three credits. Freeman.

**Geog. 124. Physiography of Western United States.** The influence of geology on man's activities. Scenic features of the west. *Prerequisite: Geog. 1. Elements of Geology also desirable.* Three credits. Freeman.

**Geog. 125. Physiography of the Eastern United States.** Origin and relationship of the physical features of the region. *Prerequisite: Geog. 1. Elements of Geology desirable.* Not given in 1947-48. Three credits.

**Geog. 127. Cartography.** The construction and interpretation of maps and other graphic methods of presenting geographical and statistical information. Alternate years. Three credits. Staff.



**Geol. 110. Elements of Geology.** Considers the origin and development of surface features of the earth, and briefly studies the probable evolution of life upon the earth and the historical geology of North America. Students learn to identify common rocks and minerals, and to use topographic maps. Field trips taken to nearby places of interest. Spring and alternate summer quarters. Three credits for class work. Two extra credits for laboratory work. Freeman.

**Geol. 150. Economic Geology.** Considers the origin, location and exploitation of coal, petroleum, ore deposits and other mineral resources. *Prerequisite: Elements of Geology.* Alternate years. Four credits. Freeman.

**Geol. 160. Historical Geology.** Considers the geologic development of the world with particular attention to North America and the Pacific Northwest. Describes the fossil plants and animals of different geological eras and periods. *Prerequisite: Elements of Geology.* Freeman.

## GERMAN

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

**German 1, 2, 3. First Year German.** Grammar, composition, reading of simple texts. Students must begin work in the fall quarter and continue it throughout the year. Fall, winter and spring quarters. Five credits a quarter. Hepperle.

**German 4, 5, 6. Second Year German.** A rapid review of syntax, reading of magazines, newspapers and texts. To be taken consecutively beginning with the fall quarter. Fall, winter and spring quarters. Five credits a quarter. Hepperle.

**German 7, 8, 9. Third Year German.** Reading in German literature. Fall, winter and spring quarters. Five credits a quarter.

**German 10. Scientific German.** Reading, with emphasis on vocabulary and style of writing in scientific fields. Three credits.

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## HISTORY

PROFESSORS KINGSTON, LUDWIG ;

ASSISTANT PROFESSORS ADAMS, DRYDEN, STEWART

Note: See Gen. Ed. 7, 8, 9 Integrated Course in Social Studies.

### COURSE DESCRIPTIONS

**Hist. 1. United States 1606-1815. The Formation of the Republic.** The settlement of the American colonies, the American Revolution, the establishment of the new government, the breakdown of the confederation and the building of the Constitution, and the final establishment of American independence as a result of the Second War with England. Fall quarter. Five credits. Dryden, Stewart.

**Hist. 2. United States 1815-1898. The Development of the Nation.** The development of American nationality, the slavery controversy and the Civil War, reconstruction, the disappearance of the frontier and the emergence of industrial America. Winter quarter. Five credits. Dryden, Stewart.

**Hist. 3. Twentieth Century America.** The epoch of imperialism, our emergence as a world power and our position in the world, the part played by the nation in two world wars, the great depression. Spring quarter. Five credits. Dryden, Stewart.

**Hist. 25. The Near East.** Origin, expansion and growth of countries bordering on the east Mediterranean. Emphasis on development of political social institutions, the spread of Islam, and effects of this area on modern world problems. Four credits.

**Hist. 40. Great Names in American History.** Biographical sketches of some of the outstanding characters in American history with special reference to their unique contributions. Three credits.

**Hist. 50. Early Civilization and the Classical Period.** The early Mediterranean background and the classical civilization of Greece and Rome to the end of the Roman Empire of the West. Fall quarter. Four credits.

**Hist. 51. Western Europe, the Medieval Period.** A general survey of the social and political institutions of western Europe from the fifth century to 1500. Winter quarter. Four credits.

**Hist. 52. Western Europe, the Early Modern Period.** A basic study of the political, economic, social and intellectual aspects of modern European history from 1500 to 1789. Fall quarter. Four credits. Adams.

**Hist. 53. Western Europe, the 19th Century.** A continuation of Hist. 52 from 1789 to 1900. Winter quarter. Five credits. *Prerequisite: Hist. 52.* Adams.



**Hist. 54. Western Europe, the 20th Century.** A continuation of Hist. 53 from 1900 to the present. Spring quarter. Five credits. *Prerequisite:* Hist. 53. Adams.

**Hist. 63. Washington State History and Government.** Historical development of the Territory and State of Washington, local government, state government, the State Constitution, etc. This course meets the new state requirement for all teachers. All quarters. Three credits. Kingston, Dryden.

**Hist. 70. The Contemporary World, Day to Day.** A consideration of national and world events as they occur with emphasis on their significance. Emphasis will be on the understanding of the facts behind the events and on the ability to distinguish facts from propaganda and opinion. Three credits per term. Stewart.

**Hist. 80. The South in American History.** A study of the role of the southern states in the development of the American nation. Particular attention to the "Old South" and its psychology, especially in its attitude toward slavery and state's rights. The effect of the Solid South upon the contemporary American scene will be stressed. Four credits. Stewart.

**Hist. 107. Northwest History.** Exploration of the Pacific Northwest, fur trade, missionary period, gold discoveries, railroad building, industrial development and political history, with special reference to Washington. Winter quarter. Four credits. Kingston.

**Hist. 111. British North America.** An outline of the history and development of the political institutions of Canada. Three credits.

**Hist. 112. Colonial Hispanic-America.** An outline of Spanish and Portuguese settlements in the western hemisphere, the colonial institutions of the continent, the causes and results of the Wars of Independence. Fall quarter. Three credits.

**Hist. 113. Republican Hispanic-America.** A study of the more important events in Hispanic-American history since independence. Considerable emphasis on institutional development and particular attention to the more recent period. Winter quarter. Three credits.

**Hist. 114. Inter-American Relations.** The international relations of the countries of Hispanic-America with Europe and Asia, with the United States and among themselves. The growth of Pan-Americanism and the Good Neighbor Policy. Spring quarter. Three credits. Stewart.

**Hist. 118. Modern Russian History.** The economic, social, and cultural phases of Russian history since the revolution of 1917, with a review of the imperial period as background. Winter quarter. Three credits. Dryden.

**Hist. 119. The Far East.** This course aims to present the salient facts and historical patterns connected with the political, economic, and cultural development of the Chinese and Japanese Empires down to modern times, together with a survey of Far Eastern International Relations and Commitments involving the Western Powers. *Prerequisite: Hist. 51 or Hist. 52 or Hist. 53.* Fall and summer quarters. Four credits. Ludwig.

**Hist. 120. Far Eastern International Relations.** This course aims to present the historical development of direct commercial and diplomatic relations between the trading nations of Europe and the countries of East Asia from the discovery of America down to the present. Emphasis will be given to the Commercial Revolution and its effects upon Europe and Asia, the conflicting interests growing out of the opening of China and Japan to world trade and diplomatic intercourse, the weakness of China, the rise of Japan, Russian expansion to the East, the system of Balance of Power, and the causes of the present war in the Far East. Fall quarter. Five credits. Ludwig.

**Hist. 122. County and Regional History.** Readings, study, and writing in selected fields of interest in the history of the Pacific Northwest. The preparation of notes, references and bibliographies. Work on the individual student basis. *Prerequisite: Hist. 107.* May be taken any quarter. Three credits. Kingston.

**Hist. 125. Diplomatic History of the United States.** The principal events in American Diplomatic history, concentrating upon our three major policies of isolation, the Monroe Doctrine, and the Open Door. Fall quarter. Four credits. Stewart.

**Hist. 128. History of Germany.** A survey of the principal events in the historical development of Central Europe since 1648. Emphasis will be on the development of the German Empire since the French Revolution, and upon the ideological backgrounds for the rise of the Third Reich. Winter quarter. Three credits.

**Hist. 130. History of England.** A study of the various aspects of English history from the Roman conquest to the present, including social, cultural, economic, and constitutional development. Three credits.

**Hist. 131. History of British Expansion.** History of British expansion overseas from the Sixteenth Century to the present with reference to motives, methods, and colonial governments. Spring quarter. Five credits. Dryden.

**Hist. 134. The Mediterranean World.** The political, social and economic aspects of civilization which have influenced world history from ancient times to the present. Spring quarter. Five credits. Dryden.

**Hist. 140. Central Europe and the Balkans.** A comprehensive survey of the history of Central Europe and the Balkans, with special emphasis on the Balkans, the peoples, the cultures, and the problems of the pres-



ent. Fall quarter. Four credits. *Prerequisite: Hist. 52 or 53 or 121 or by special permission.* Adams.

**Hist. 147. History of Southern Asia.** The historical development of the following areas and countries in modern times: Asiatic Turkey, the Arabian Peninsula, Iraq, Iran, India, Burma, Siam, Indo-China, and the island groups off the southwest coasts of Asia; imperialism, natural resources, colonial policies, the Mohammedan movement and the present conflicts centering in those so-called backward areas. Five credits. Ludwig.

**Hist. 151. The Social and Intellectual History of the United States.** A survey of the life of the individual American during various periods of our history, what he had to eat, how he lived, the books he read, the position of women, the public schools and other situations and institutions affecting the life of the child, etc. Especially intended for teachers and those preparing to teach. Summer quarter. Four credits. Stewart.

**Hist. 155. The Literature of American History.** The study and discussion of some of the great literary classics of American history and their relation to the period represented. Not a study of documents but of the literary works which affected the course of American history or were affected by it. The emphasis will be on the way the history of a people is affected by the arts and in turn affects them. Especially intended for teachers and for students majoring in history. Four credits.

**Hist. 159. History of the American Frontier.** The development of the United States as seen in its advancing frontier. The results upon the political, social and cultural development of the nation will be emphasized. An opportunity for original research and investigation in the field will be afforded. Summer quarter. Four credits. Stewart.

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**HOME ECONOMICS**

ASSISTANT PROFESSORS ANDERSON, BRODNAX

**COURSE DESCRIPTIONS**

**Home Ec. 53. Foods.** The production, distribution, marketing, and cost of foods, with emphasis upon the composition, nutritive value, principles of cooking and the place in the diet. Emphasis on the food supplying carbohydrates, fats, vitamins and ash. Fee \$4.00. Fall quarter. Five credits. Anderson.

**Home Ec. 54. Foods.** Continuation of Home Ec. 53. An intensive study of the food supplying proteins, and of table service for breakfasts, dinners, luncheons, teas, decoration and practical experience in serving. Fee \$4.00. Winter quarter. Five credits. Anderson.

**Home Ec. 56. Nutrition.** The fundamental principles of nutrition; a study of processes of digestive metabolism and the nutritive requirements of the body under various conditions of age and health and the planning of dietaries to meet these requirements of different cost levels. *Open to men as well as women.* All quarters. Three credits. Anderson.

**Home Ec. 68. Textiles.** Study of selection, purchase and use of fabrics. Prerequisite to all clothing courses. All quarters. Four credits. Fee \$1.00. Brodnax.

**Home Ec. 70. Clothing.** Study of selection and construction of articles of clothing to develop skill, taste and wise expenditure. *Prerequisite: Home Ec. 68.* (Prerequisite waived for Home Ec. minors.) Fee 50c. Fall and winter quarters. Five credits. Brodnax.

**Home Ec. 77. Clothing Selection.** Study of becoming and appropriate clothes, and the making of a clothing budget. Fall and spring quarter. Three credits. Brodnax.

**Home Ec. 154. Experimental Cookery.** Study of special food problems. Each student selects some piece of work concerned with food. Fee \$4.00. Spring quarter. Five credits. Anderson.

**Home Ec. 159. Household Management.** The management of household operations; systematic planning of daily routine; laborsaving equipment; food planning, marketing; the apportionment of the income through the family budget; the woman and the standard of living; her responsibility to the family, and other modern problems. Spring quarter. Three credits. Anderson.

**Home Ec. 160. Consumer Education.** Backgrounds and philosophies of consumer education with some specific emphasis upon choices of food, clothing and household furnishings. Winter quarter. Three credits. Anderson.



**Home Ec. 162. Serving.** Table service for breakfasts, luncheons, dinners, teas, and special occasions, including menu planning, table setting, table decorations, and practical experience in serving. Fee \$1.50. Three credits. Anderson.

**Home Ec. 163. Methods in Home Economics.** A survey of the present-day objectives in the field of Home Economics with the methods of presenting them in elementary and junior high school teaching. *Prerequisites: Home Ec. 53, 54, 70, 172.* Spring quarter. Three credits. Anderson, Brodnax.

**Home Ec. 164. Student Teaching in Home Economics.** Practical experience in conducting the Home Economics classes of the Laboratory School. *Prerequisites: Home Ec. 53, 54, 68, 70, 156, 172.* All quarters. Credits to be arranged. Anderson, Brodnax.

**Home Ec. 166. Advanced Nutrition.** Continuation of Home Ec. 56. A study of food requirements in health and disease from infancy to old age. *Prerequisite: Home Ec. 56.* Fee \$1.00. *Open to men as well as women.* Spring quarter. Three credits. Two lectures and two laboratory periods a week. Anderson.

**Home Ec. 172. Advanced Clothing.** Dress design and construction. *Prerequisite: Home Ec. 68, 70, 77.* Five credits. Fee 50c. Spring and summer quarters. Brodnax.

**Home Ec. 173. Art Needlework.** Embroidery stitches and needlework design. Spring and summer quarters. Three credits. Fee 50c. Brodnax.

**Home Ec. 177. Historic Costume.** A study of period costume including adaptations suitable for plays and pageants. Winter and summer quarters. Three credits. Brodnax.

**INDUSTRIAL ARTS**

ASSISTANT PROFESSORS DALES, LANE

**COURSE DESCRIPTIONS**

**Ind. Ed. 1. Introduction to Industrial Education.** A study of the background, aims, content and status of Industrial Education in the United States. Construction tools and materials are also taken up as a part of the course. All quarters. Three credits. Dales.

**Ind. Ed. 100. Primary Industrial Education.** A course for primary teachers, who need information relative to materials, tools, methods and projects for the lower grades. Winter quarter. Three credits. Dales.

**Ind. Ed. 105. Wood Turning.** The use and care of lathes and tools. Spindle and face-plate work will take most of the student's time. All quarters. Three credits. Lane.

**Ind. Ed. 106. Advanced Wood Turning.** All quarters. Three credits. Lane.

**Ind. Ed. 114. Wood Working for Homemakers.** Consists of making plans, furniture repair and construction, and cabinet making. Develops handyman abilities and satisfies the desire to make useful things with tools and materials. Fall quarter. Three to five credits. Four to eight hours each week. Lane.

**Ind. Ed. 115. Furniture Design and Construction.** The design and construction of a piece of furniture with hand tools. Fall and spring. Five credits. Lane.

**Ind. Ed. 140. Mill Work.** Use, care and adjustment of wood working machines. All quarters. Three credits. Lane.

**Ind. Ed. 145. Wood Carving.** A study and use of tools and woods in making low and high relief carving. Spring quarter. Three credits. Dales.

**Ind. Ed. 156. Period Furniture Construction.** An advanced machine construction course in furniture making. Fall and spring quarters. Five credits. Lane.

*Metal Work*

**Ind. Ed. 120. Electrical Work.** A study of the sources, principles and application of electricity including magnetism, heat, bell circuits, house wiring and simple motors. Winter quarter. Three credits. Lane.

**Ind. Ed. 122. Radio Receiver Construction and Repair.** A rehabilitation course consisting of: Experimental work with radio parts and laboratory equipment. The study of radio electronics and circuits. Construction of detectors, amplifiers and power packs. Spring quarter. Three credits. Lane.



**Ind. Ed. 125. Bench Metal.** A course, including chipping, filing, drilling, light forging, tempering, case hardening, using taps and dies, etc. Fall quarter. Three credits. Lane.

**Ind. Ed. 126. Sheet Metal.** This course is divided into two parts: elementary hand work and advanced machine work. The sheet metal used will be tin, galvanized and black iron. Winter quarter. Three credits. Dales.

**Ind. Ed. 127. Metal Spinning.** Use of wood turning lathe in shaping metal. Winter quarter. Three credits. Lane.

**Ind. Ed. 128. Machine Lathe Work.** Care and operation of a standard, back geared, screw cutting engine lathe. Only one student each period. All quarters. Three credits. Lane.

### *Drawing*

**Ind. Ed. 60. Engineering Drawing.** Lettering, sketching, orthographic projection, auxiliary views, revolutions, sectional views and pictorial representations are taken up in this course. Fall quarter. Three credits. Dales.

**Ind. Ed. 61. Engineering Drawing.** Developments, intersections, fastenings, detail, assembly drawings, inking, tracing and blue printing will be taken up in this course. Winter quarter. Three credits. Dales.

**Ind. Ed. 62. Engineering Drawing.** Theory and practice in Descriptive Geometry. Spring quarter. Three credits. Dales.

**Ind. Ed. 150. Architectural Drawing.** Drawing floor plans and elevations for a small house. Fall quarter. Three credits. Dales.

**Ind. Ed. 151. Architectural Drawing.** A continuation of Ind. Ed. 150. Section, details, ground plans, tracing and blue printing will be taken up. Winter quarter. Three credits. Dales.

### *Organization and Theory*

**Ind. Ed. 160. Student Teaching in Industrial Education.** Supervised observation and teaching in primary, intermediate and junior high industrial education classes. Fall, winter and spring quarters. One to five credits. Dales.

**Ind. Ed. 185 Class and Shop Organization and Management.** Planning, installing, cost of equipment and the administration of industrial education courses in elementary and junior high schools. Spring quarter. Three credits. Dales.

### *Other Courses*

**Ind. Ed. 110. Wood Finishing.** A study of the various finishes that are used in the industrial education shops. A complete set of common wood samples will be finished. Spring quarter. Three credits. Lane.

## JOURNALISM

ASSISTANT PROFESSOR HOLMQUIST; INSTRUCTOR FOSS

### COURSE DESCRIPTIONS

**Journ. 31. Principles of Newswriting.** Gathering material; organization of news stories; leads. Open to all students. Fall quarter. Three credits. Holmquist.

**Journ. 32. Advanced Newswriting.** It is desirable, though not requisite, that students have credit in Journalism 31 before registering in this course. Open to all students. Winter quarter. Three credits. Holmquist.

**Journ. 33. Copy Reading.** Special assignments. *No prerequisite.* Open to all students. Spring quarter. Three credits. Holmquist.

**Journ. 34. Feature and Editorial Writing.** Special stress will be put on the preparation of manuscripts and a study of various markets with an attempt to sell articles. Part of the quarter will be devoted to the discussion and writing of editorials. Three credits.

**Journ. 36. The Law of the Press.** The law of libel; the legal responsibilities of newspapers. Special attention is given to statutory law of Washington. Two credits.

**Journ. 37. Newspaper Makeup.** Effective layout, planning and organizing the whole paper and the individual page in the light of reader psychology. Two credits.

**Journ. 41, 42, 43. Reporting.** A course for those on the staff of the college newspaper. May be begun any quarter. Recommended to those who are preparing to teach in the junior high school or the intermediate grades. Instructor's permission required. Fall, winter, spring. Three credits a quarter. Holmquist.

**Journ. 46. Public School Journalism.** Planning and supervision of school bulletins, newspapers, and other periodicals. Two credits.

**Journ. 50. Newspaper and Radio Advertising.** Advertising plans and campaigns, copy appeals, space, typography, layout, timing. Three credits.

**Journ. 51. Public Relations.** Principles, methods, and means of using journalistic agencies to influence the public. Campaigns, devices, timing of programs. Three credits.

**Journ. 101. Journalism Problems.** A course of lectures by practicing journalists in the fields of newspaper, magazine and radio work, given through the cooperation of the Spokane Press Club and its members. One credit.



## LIBRARIANSHIP

BLAIR, HAAS

### COURSE DESCRIPTIONS

**Lib. 101. Children's Library.** A general survey of all types of children's reading from the primary grades through the junior high school. Consideration of such topics as the writers and illustrators of children's books, children's reading interests, reading and evaluating children's books, the selection of books for small libraries and children's magazines. *Prerequisite: Grade point average and consent of instructor.* Winter quarter. Three credits. Haas.

**Lib. 102. Advanced Children's Library.** Stress is placed on book selection and the history of children's books, publishers and editors and other persons prominent in the field of children's books and libraries; critical analysis of children's books, including the classics and recent publications. *Prerequisite: Ed. 191, 194, or 198, and Lib. 101.* Spring quarter. Three credits. Haas.

**Lib. 104. School Library Administration.** Business practices, supplies and equipment, records, reports, relations with students, teachers, administrators and public libraries; status, standards and objectives. Essence of cataloging, of reference and bibliographies. The purchase and use of periodicals and circulation materials. Practical problems. Three credits. Blair.

**Lib. 105. Library Practice.** Students who complete the foregoing courses may earn up to three credits, at the rate of one a quarter, for practice work in the children's library of the Laboratory School. Should there be more applicants for practice work than the children's library can accommodate, those applicants will be admitted who, in the judgment of the instructors, have done the best work in the other library courses. Fall, winter, spring quarters. One credit a quarter. Haas.

## MATHEMATICS

ASSISTANT PROFESSORS BELL, PENCE; INSTRUCTOR GUTHRIE

Note: See Gen. Ed. 4, 5, 6 Integrated Course in Natural Sciences.

### COURSE DESCRIPTIONS

**Math. 1. Mathematics Fundamentals.** A course stressing techniques and concepts of mathematics intended for students preparing to teach and who are not taking a more advanced mathematics course. Winter and spring quarters. No credits. Staff.

**Math. 3. Solid Geometry.** *Prerequisite: A year's work each in plane geometry and algebra.* Five credits. Winter. Staff.

**Math. 4. Advanced Algebra.** This course is given for those students who have not had three semesters of high school algebra. Recommended

to students intending to take more mathematics and science and who need a review of high school algebra. Fall and winter quarters. Five credits. Guthrie.

**Math. 11. Business Mathematics.** The fundamentals of mathematics needed by business students. This course also will meet the mathematics requirements for admission to student teaching. Alternate years. Three credits. Staff.

**Math. 54. College Algebra.** Review of elementary topics; systems of equations; arithmetic and geometric series; complex numbers; mathematical induction; solution of equations by approximation, etc. Five credits. Bell and Guthrie.

**Math. 55. Trigonometry.** Elementary theory of trigonometric functions. Solutions of the triangle with emphasis on applications. Five credits. Bell and Guthrie.

**Math. 56. Analytical Geometry.** The application of algebraic methods to geometry. Loci, conics, coordinates, algebraic curves, etc. *Prerequisite: Math. 54.* Five credits. Bell and Guthrie.

**Math. 102. Mathematics of Investment.** Interest and annuities; sinking funds, bonds, investments; capitalization, amortization, insurance. Alternate years. Two or three credits. Staff.

**Math. 106. Spherical Trigonometry.** Application of trigonometry to the surface of a sphere, as used in astronomy, navigation, and surveying. *Prerequisite: Math. 55.* Two credits. Spring quarter. Bell.

**Math. 108. Theory of Equations.** Solution of cubic and quartic equations. Study of determinants and systems of linear equations. Symmetric functions. *Prerequisite: Enrolment in Math. 56.* Three credits. Fall quarter. Bell.

**Math. 110, 111, 112. Calculus.** Differential and integral calculus. A continuous course that must be taken in sequence. *Prerequisites: Math. 54, 55, 56.* Five credits a quarter. Bell.

**Math. 125, 126. Differential Equations.** Three hours each quarter. Practical study of metric functions. An introduction to partial differential equations. *Prerequisite: three quarters of calculus.* Offered in the winter and spring quarters of 1947-1948. Bell.



## MUSIC

PROFESSOR ROWLES ; ASSISTANT PROFESSORS GOODSSELL, LAWTON ;  
INSTRUCTORS HALLGRIMSON, STEVENS

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

#### MUSIC THEORY AND MUSIC EDUCATION

**Mus. 1. Music Fundamentals.** Structural elements of music. Keys and scales in major and minor modes. Rhythmic problems. Sight reading of simple unison and part songs. Introduction to music appreciation. Note: Music tests are given all entering freshmen and transfer students. Those having a high rating are excused from this course. All quarters. Five credits. Lawton, Hallgrimson.

**Mus. 3. Sight Singing and Dictation.** Singing and writing from dictation melodies in major and minor keys with varied rhythmic and tonal patterns. Fall, spring and summer quarters. *Prerequisite: Music 1.* Note: Students are advised to take Music 1 and 3 in succeeding quarters. Three credits. Rowles.

**Mus. 52, 53, 54. Music History.** First quarter: Development of music from primitive times to beginning of the 19th Century. Phonograph recordings illustrating different periods of musical development. *Prerequisite: Adequate musical background.* Fall and summer quarters. Three credits. Lawton.

Second quarter: Survey of music in the 19th and early 20th Centuries. Important composers and their works. *Prerequisite: Adequate musical background.* Spring and summer quarters. Three credits. Lawton.

Third quarter: Significant music by composers since 1900 showing modern tendencies and innovations. *Prerequisite: Adequate musical background.* Spring and summer quarters. Three credits. Lawton.

**Mus. 58, 59, 60. Harmony.** First quarter: Harmonization of melodies and basses in major and minor using the principal triads and their inversions and chords of the dominant-seventh. *Prerequisite: Music 3.* Fall, winter and summer quarters. Three credits. Stevens.

Second quarter: Inversions of the dominant-seventh chord. Secondary triads and seventh chords. Modulation. *Prerequisite: Music 58.* Winter, spring and summer quarters. Three credits. Stevens.

Third quarter: Extended modulation. Secondary sevenths and their inversions. Dominant ninth. Altered chords. Original composition. *Prerequisite: Music 59.* Fall, spring and summer quarters. Three credits. Stevens.

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**NOTE:** All students interested in teaching in the kindergarten and primary grades are strongly advised to complete a minor in Music and be able to play the piano well enough to handle simple song accompaniments.

**Mus. 101. Public School Music.** For all students except minors or majors in music. The purpose and function of music education in the public schools. A non-technical survey of the whole field of school music as outlined in the publications of the State Curriculum Committee on Music and other curriculum publications. All quarters. Two days per week. Two credits. *Prerequisite: Music 1.* Goodsell.

**Mus. 102. Elementary School Music.** Materials and methods for directing music activities in the first six grades. The rote song, child voice, unmusical children, rhythmic expression, notation, music reading, listening lessons, tonal and rhythmic problems, part singing. *Prerequisite: Music 1.* Fall, spring and summer quarters. Three periods per week. Three credits. Goodsell. Note: Students minoring or majoring in music are advised to take this course instead of Music 101.

**Mus. 103. Junior High School Music.** The place of music in adolescent development, covering the boy's changing voice, testing and classification of voices, organizing and directing of glee clubs, choruses, operettas, concerts, and developing other music activities in the junior high school. *Prerequisite: Music 1.* Winter and summer quarters. Three credits. Goodsell.

**Mus. 105. Modern Practices in Music Education.** The techniques of teaching music in primary and intermediate grades from the standpoint of both classroom and special music teachers. Practical application of methods for developing the child voice, rote singing, rhythmic expression, music reading, appreciation, etc. Examination of up-to-date song-books and other materials. Observation of music work done in the laboratory school and practice teaching by arrangement with the instructor. *Prerequisite: Music 101.* Spring and summer quarters. Three credits. Goodsell.

**Mus. 109. Student Teaching in Music.** Teaching under supervision, preferably during junior or senior years, is required of all music majors. Those teaching instruments should first complete Music 121. *Prerequisite: Music 101.* All quarters. One or more credits. Goodsell, Lawton, Hallgrimson.

**Mus. 120. Orchestration.** Arrangements of small compositions for various combinations of instruments. Study of the range and tone quality of all orchestral and band instruments. *Prerequisite: Music 60.* Spring and summer quarters. Two credits. Hallgrimson.

**Mus. 121. Wind Instrument Technique.** Organization and development of instrumental work in the schools. Rehearsal and training procedures. Concurrent instruction on a wind instrument is required of all members of the class. Survey of suitable materials for beginning instrumental classes, bands and orchestras. Fall and summer quarters. Two credits. Hallgrimson.



**Mus. 122. String and Percussion Technique.** Same as Mus. 121 except as applied to string and percussion instruments. Winter and summer quarters. Two credits. Hallgrimson.

**Mus. 125. Conducting.** The technique of conducting. Interpretation of the vocal and instrumental score. Winter and summer quarters. *Prerequisite: Music 3.* Two credits. Rowles.

**Mus. 126. Choral Technique.** Principles of good vocal production and interpretation. Problems concerning the organization, rehearsal and conducting of choral groups. *Prerequisite: Music 3.* Winter and summer quarters. Two credits. Rowles.

### *Ensemble Music*

**Mus. 11. College Band.** All types of concert band music. Drill in marching. Four periods per week of one hour each. Fall, winter and spring quarters. Two credits. Hallgrimson.

**Mus. 12. Vocal Ensemble.** Selected voices for specialized vocal performance. Fall, winter and spring quarters. Two periods a week. One credit. Rowles.

**Mus. 13. A Cappella Choir.** Unaccompanied singing for mixed voices. Concert tours are made in the fall and spring quarters. Operettas or other special events staged in the winter quarter. Informal singing tests required for membership. Fall, winter and spring quarters. Four periods per week. Two credits. Rowles.

**Mus. 14. College Orchestra.** Playing of standard orchestral numbers. Special work with string, woodwind and brass choirs. Two periods a week. Fall, winter and spring quarters. One credit. Hallgrimson.

**Mus. 15. Instrumental Ensemble.** Music for different combinations of stringed and wind instruments. By special arrangement with instructors. All quarters. Two periods a week. One credit. Hallgrimson and Lawton.

### *Applied Music*

**Mus. 16. Piano.** Beginners may receive credit for the first quarter of study at the discretion of the instructor. All quarters. One or two credits. Stevens.

**Mus. 17. Stringed Instruments.** (a) Violin; (b) Viola; (c) Violoncello; (d) Doublebass. Beginners may receive credit for the first quarter of study at the discretion of the instructor. All quarters. One or two credits. Lawton.

**Mus. 18. Voice.** Beginners may receive credit for the first quarter of study at the discretion of the instructor. All quarters. One or two credits. Rowles.

**Mus. 19. Organ.** Beginners must have had adequate piano training before taking organ lessons for credit. All quarters. One or two credits. Rowles.

**Mus. 20. Wind Instruments.** Beginners may receive credit for the first quarter of study at the discretion of the instructor. All quarters. One or two credits. Hallgrimson.

**Mus. 27. Class Stringed Instruments.** Recommended for beginners on stringed instruments. One hour a week. All quarters. One-half credit. Lawton.

**Mus. 28. Class Voice.** Recommended for beginners in vocal study. One hour a week. All quarters. One-half credit. Rowles.

**Mus. 30. Class Wind Instruments.** Recommended for beginners on wind instruments. One hour a week. All quarters. One-half credit Hallgrimson.

## PHILOSOPHY

PROFESSOR WILLIAMSON ; ASSOCIATE PROFESSOR WALLACE

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

**Phil. 51. Introduction to Philosophy.** A problem approach to systematic thinking, the recurring riddles of philosophy, and the "good life." An attempt to stimulate effective reflection through analysis of problems relating to thinking errors, reflection, knowledge, certainty, reality, casuality, teleology, mind-body, freedom, aesthetics, reverence, romance, and ethics. Emphasis upon current problems, scales of value, and the development of a personal philosophy. *Prerequisite: Sophomore standing.* Fall, winter and spring quarters. Wallace.

**Phil. 53. Introduction to Ethics.** An analysis of moral situations, types of moral ideas, such as the pursuit of pleasure, the idea of duty, etc., the relation of the individual to society. By dealing with students' problems the course aims to build greater sensitivity to moral values. *Prerequisite: Sophomore standing.* Five credits. Williamson.

**Phil. 195. Semantics.** An approach to the problems of straight thinking and accurate, effective communication of thought through a study of language; symbols and meanings. Three credits.



**PHYSICAL AND HEALTH EDUCATION**

PROFESSOR WOODWARD; ASSISTANT PROFESSORS DAVIDSON, DUSTIN;  
INSTRUCTORS CHESNUT, POFFENROTH, REESE

**COURSE DESCRIPTIONS**

**P. H. E. 1. Health Fundamentals.** Conservation and promotion of health in the individual, the home and the community. Principles of healthful living. Recognition of deviations from normal health. Physiological facts related to problems of individual adjustment. Health consciousness in personal and community matters. All quarters. Three credits. Davidson.

**P. H. E. 4. Physical Education Activities.** (Women.) All students are required to take four years of work in activities. All quarters. One credit a quarter. Staff. An activity may be selected from the following:

- Archery
- Badminton
- Basketball
- Clogging
- Fencing
- Folk Dancing
- Golf
- Hockey
- Jollyball
- Life Saving
- Natural Dancing
- Soft Ball
- Square Dancing
- Soccer.
- Speedball
- Swimming (beginning, intermediate, advanced)
- Tennis
- Track
- Volleyball

*Note: Students may not earn more than one credit in P. H. E. Activities (P. H. E. 4) in any one quarter. One quarter of P. H. E. Activities (P. H. E. 4) must be in swimming.*

**P. H. E. 4. Rhythmics and Introduction to Modern Dance.** Fall, winter, spring quarters. Two periods per week. One credit. Chesnut.

**P. H. E. 13. Physical Education Activities.** (Men.) All students are required to take *four years* of work in activities. Eleven quarters. One credit per quarter. Staff. An activity may be selected from the following:

- Badminton
- Basketball
- Baseball

Boxing  
 Boy Scout Leadership (see Biology 20)  
 Clogging  
 Fencing  
 Football  
 Folk Dancing  
 Golf  
 Intramural Athletics  
 Life Saving  
 Soft Ball  
 Soccer  
 Speedball  
 Square Dancing  
 Swimming  
 Touch Football  
 Tennis  
 Track  
 Tumbling  
 Wrestling

*Note: Students may not earn more than one credit in P. H. E. Activities (P. H. E. 13) in any one quarter. One quarter of P. H. E. Activities (P. H. E. 13) must be in swimming.*

**P. H. E. 13. Swimming.** (Men.) Methods of teaching beginners, instruction in the different strokes and methods of rescuing and resuscitation. All quarters. One credit. Staff.

**P. H. E. 16. Corrective Work.** (Men.) Classes and individual work arranged according to needs. All quarters. One credit. Staff.

**P. H. E. 102. Personal Hygiene.** The study of such topics as health ideals, values and attitudes; the biological basis of life; the nervous system, physical health of the individual. *Prerequisite: P. H. E. 1.* Fall, winter, spring and summer quarters. Two credits. Davidson.

**P. H. E. 103. Elementary Rhythmic Methods.** A study of rhythm as a fundamental factor in all expressional activity. Basic rhythmic movement and its relation to music, dance, the color-form arts, and the physical education program. Planned especially for the class room teacher in the elementary school. Lecture-discussion and observation of children's classes. Fall, winter, spring, and summer quarters. *Prerequisite: Junior standing or consent of instructor.* Three credits. Chesnut.

**P. H. E. 105. Advanced Folk Dancing.** (Women.) Instruction and application of the basic techniques used in national dances. A further study for program planning and pageant work in junior high grades or special classes. *Prerequisite: P. H. E. 4, Folk Dances.* Fall and summer quarters. One credit. Dustin.



**P. H. E. 108. Basketball Coaching.** (Women.) Fundamentals of coaching, refereeing and interpretation of rules. Instruction and suggestion for the improvement of the biological, mental, social and moral benefits of team games. *Prerequisite: Sophomore standing.* Winter quarter. Two credits. Dustin.

**P. H. E. 109. Primary P. E. Methods.** (Women.) Dramatic and singing games. Rhythms and simple folk dances. Relaxation activities. Story plays. Fall and summer quarters. Three credits. Dustin.

**P. H. E. 110. Middle Grade P. E. Methods.** (Women) Games, folk dances and stunts. Winter and summer quarters. Three credits. Dustin.

**P. H. E. 111. Junior High P. E. Methods.** (Women.) Organized games and folk dances. Spring and summer quarters. Three credits. Dustin.

**P. H. E. 112. Corrective Work.** (Women.) Classes and individual work arranged according to needs. All quarters. One credit. Staff.

**P. H. E. 113, 114. Theory and Practice in Modern Dance.** Experience in elemental rhythmic movement; problems of spatial relations, space patterns, and introduction to the new American art dance. Fall, winter, and summer quarters. Two credits per quarter. Chesnut.

**P. H. E. 115. Advanced Modern Dance.** Activity four days per week, and participation in Spring Dance Production. Spring quarter. May be repeated for credit. *Prerequisite: Rhythmics and Introduction to Modern dance (P. H. E. 4) or P. H. E. 113 or P. H. E. 114 or instructor's consent.* Two credits. Chesnut.

**P. H. E. 117. Football Coaching.** (Men.) The theory and practice of football fundamentals; punting, drop-kicking, place-kicking, kick-off, passing, tackling, catching punts, blocking, interference; offensive and defensive styles of play, duties of each player on offense and defense, teamwork, generalship and strategy, plays and signals, conditioning of players and rules. Fall and summer quarters. Two credits. Reese.

**P. H. E. 118. Basketball Coaching.** (Men.) Instruction in goal-throwing, passing, dribbling, pivoting, individual and team play, and the different styles of plays and rules. Winter and summer quarters. Two credits. Reese.

**P. H. E. 119. Track Coaching.** (Men.) Sprinting, distance-running, high and low hurdles, high and broad jump, pole vault, shot-putting, discus, and javelin-throwing; rules, management of meets, the diet and conditioning of men. Spring and summer quarters. Two credits. Staff.

**P. H. E. 120. Camp Fire Leadership.** (Women.) A study of program planning, handicraft, leadership psychology and plans for general group activities to equip leaders for Camp Fire and Blue Bird groups. Class

members completing requirements will receive the Guardians' Training Course Certificate. *Prerequisite: P. H. E. 4.* Open to seniors and juniors only. Spring quarter. Two credits. Dustin.

**P. H. E. 121. First Aid and Safety Education.** This course includes practice in the use of various kinds of bandages, dressings, antiseptics, disinfectants, etc. It aims to give teachers knowledge and practical skill in rendering aid and treatment in case of emergencies. Winter and summer quarters. Three credits. Staff. Students who pass this course will receive the Red Cross Standard Certificate.

**P. H. E. 123. Baseball Coaching.** Pitching and pitching strategy; batting and base running; the correct method of fielding each position; team play, field work and rules. Spring and summer quarters. Two credits. Staff.

✓ **P. H. E. 124. Organization and Administration of Physical and Health Education.** A study of administration problems in physical education, including intramural athletics, class work, interschool athletics, programs of sports, methods of organizing competition, management of meets, and similar problems. *Prerequisite: P. H. E. 146.* Fall and summer quarters. Four credits. Woodward.

**P. H. E. 125. Physiology.** A study of cellular elements and tissues followed by a thorough consideration of the digestive, respiratory, circulatory and nervous systems. Special emphasis on metabolism, internal and external secretions and excretions. *Prerequisite: P. H. E. 1.* Fall, spring and summer quarters. Five credits. Davidson.

✓ **P. H. E. 126. Playground and Community Recreation.** Organization, equipment, management and supervision of playgrounds; instruction in games and other activities. *Prerequisite: P. H. E. 146.* Spring and summer quarters. Three credits. Woodward.

**P. H. E. 127. Student Teaching in Physical Education.** *Prerequisite: P. H. E. 146.* All quarters. One credit. Staff.

**P. H. E. 128. Individual Gymnastics (corrective).** A study of abnormal conditions that frequently occur; corrective exercises for the most common defects. *Prerequisite: P. H. E. 125.* Spring and summer quarters. Three credits. Woodward.

**P. H. E. 129. Methods and Materials of Health Education.** This course takes up various methods and devices used in the elementary grades of the school. Courses of study of outstanding school systems that have attracted attention because of their work in health education will be studied and compared. The problem of the health of the teacher, control of contagion, etc., are other features of this course. *Prerequisite: P. H. E. 1.* Winter and summer quarters. Three credits. Davidson.



**P. H. E. 138. School Hygiene.** Consideration of such topics as responsibilities of the home, school and child in the prevention and control of disease; the common infections and contagious diseases; tuberculosis; the teaching of hygiene; health programs. Winter and spring quarters. Two credits. Davidson.

**P. H. E. 140. Kinesiology (Applied Anatomy).** It includes a study of the principal types of muscular exercise with inquiry as to how they are performed. It is necessary to analyze complex movements into their simplest elements, note carefully what bones, joints and muscles are involved, what part each muscle has in the work and under what mechanical conditions its work is done. *Prerequisite:* P. H. E. 125. Winter and summer quarters. Three credits. Woodward.

**P. H. E. 141. Camp Fire Counselor's Guidance.** (Women.) A practical experience in observation and consideration of the social and psychological problems of the three types of campers in an A-1 camp, with supervision of the principles for directing and the development of the individual's abilities, interests and achievements. *Prerequisite:* P. H. E. 120. Recommendation of staff once only. Summer quarter. Those serving for a period of seven or more weeks—two credits. A period of four to six weeks—one credit. Dustin.

**P. H. E. 146. Physical Education Fundamentals.** Methods and procedures of Physical Education programs as adapted to primary, intermediate and junior high school grades. Provision for participation in the P. E. Activities. All quarters. Two credits. Woodward. ✓

**P. H. E. 147. Teachers' Course in Fundamental Skills.** The course offers practice in skills and methods in Physical Education activities. Winter quarter. Two credits. Woodward.

**PHYSICAL SCIENCES**

ASSISTANT PROFESSORS BELL, TALLYN; INSTRUCTORS ROGERS AND STAFF

Note: See Gen. Ed. 4, 5, 6 Integrated Course in Natural Sciences.

**COURSE DESCRIPTIONS**

**Phys. 3. Survey of the Physical Sciences.** This course intends to give an understanding of the material universe and the relation of science to modern civilization. Considers briefly the essentials of different natural sciences and what constitutes scientific thinking and investigation. Provides material for elementary school science. All quarters. Five credits. Staff.

**Phys. 21. Descriptive Astronomy.** Brief consideration of the solar system planets, meteors, comets, etc.; some discussion of stars and stellar types, nebulae and galaxies; qualitative considerations of astronomical methods. While this course is non-analytic, students must have an acquaintance with elementary algebra. May be used to meet Phys. 3 requirement. Two credits. Winter and summer. Staff.

**Phys. 41. Fundamentals of Electronics.** A nontechnical treatment of the behavior of direct and alternating current phenomena, and a study of principles basic in radio, radar and related fields. The necessary mathematics involved is covered in the beginning of the course. Winter and spring quarters. Five credits. Rogers.

**Phys. 51. Physical Science in the Junior High School.** A general treatment of everyday application of physical principles. This course is designed particularly for prospective teachers of science in the junior high school, and includes demonstrations, experiments and the handling of apparatus. Five credits. Summer. Staff.

**Phys. 60. Elements of Photography.** Class limited to 10 students. A study of various types of cameras and an introduction to simple developing and printing processes. Fall and spring quarters. Three credits. Staff.

**Phys. 160. Advanced Photography.** Advanced course in special processes and techniques: portraiture, retouching, tinting, color printing, landscape photography, scientific photography, special finishing touches. Winter. Three or four credits. Staff.

**Phys. 61, 62, 63. General Physics.** The laws of force and motion, properties of matter, nature and transformations of energy, and the fundamental physical phenomena of the universe with illustrations and application of the principles to familiar things. These courses run in sequence and should be begun in the fall quarter. Four class periods and one double laboratory period a week. Fall, winter and spring quarters. Five credits a quarter. Bell.



**Phys. 121. Analytical Mechanics (Statics).** A study of statics including force systems, friction, centroids, and moments of inertia. Numerous problems and applications. *Prerequisite: enrollment in differential calculus. Three recitations and lectures. Given in alternate years.* Offered in the fall quarter 1947. Three credits. Bell.

**Phys. 122. Analytical Mechanics (Statics and Dynamics).** A continuation of the study of statics with particular reference to the equilibrium of rigid bodies and an introduction to kinetics. Numerous applications. Three recitations. *Prerequisite: Phys. 121.* Offered in the winter quarter 1947-1948. Three credits. Bell.

**Phys. 123. Analytical Mechanics (Dynamics).** A study of dynamics including the motion of a particle, kinetics of rigid bodies, work and energy, momentum, impact. Numerous problems. *Prerequisite: Phys. 122.* Offered in the spring quarter 1948. Three credits. Bell.

**Phys. 124, 125, 126. Electricity and Magnetism (Advanced).** Elementary and mathematical theory of electrostatics, magnetostatics, magnetism, steady and varying currents, electron theory, and electromagnetic waves. Offered in alternate years. Three credits each quarter. Not given in 1947-1948.

## POLITICAL SCIENCE

PROFESSOR LUDWIG; ASSISTANT PROFESSORS ADAMS, DAYTON, STEWART

Note: See Gen. Ed. 7, 8, 9 Integrated Course in Social Studies.

### COURSE DESCRIPTIONS

**Pol. Sci. 67. American Government.** A survey course to introduce the student to the nature of government as developed in the structure and workings of the federal and state systems. All quarters. Five credits. Dayton.

**Pol. Sci. 127. Comparative Government.** A comparative study of the governments of the major European states, Great Britain, Germany, France, Italy, and Russia, with special emphasis upon contemporary governments in the light of historical evolution and tradition. *Prerequisite: Political Science 67.* Spring quarter. Four credits. Adams.

**Pol. Sci. 128. International Relations.** A basic study of the nature of international politics, diplomacy, law, organization, and the State system. Fall and winter quarters. Five credits. Adams.

**Pol. Sci. 129. Introduction to Constitutional Law.** The growth of American constitutional government with special emphasis on the most notable of the constitutional interpretations of the Supreme Court. *Prerequisites: Ec. Bus. 62, Pol. Sci. 67, and one or more courses in American history.* Winter quarter. Five credits. Ludwig.

## PSYCHOLOGY

ASSOCIATE PROFESSORS HEISLER, WALLACE ;

ASSISTANT PROFESSOR BARBER

### COURSE DESCRIPTIONS

**Psych. 1. General Psychology.** Introduction to objectives and techniques employed in the study of human behavior. Special attention given to psychological principles which will aid in more successful living and teaching. All quarters. Five credits. Staff.

**Psych. 131. Research in Psychology.** An opportunity for students with adequate background and experience to make intensive and independent study of some special problem in psychology. Interested students should confer with Dr. Williamson before enrolling and indicate to him the nature of the study they wish to develop. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all general requirements. Credits and hours to be arranged.

**Psych. 136. Social Psychology.** Human conduct as influenced by group relationships. Fundamental concepts, such as custom, suggestion, sympathy, emotion, cooperation and conflict. Consideration of personality, individuality and leadership in their relation to social progress. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Psych. 1; completion of all general requirements. Winter quarter. Four credits. Barber.

**Psych. 137. Psychology of Adjustment.** Conditions and processes which make for a wholesome mental outlook and a normal personality development. Nature of personality and of adjustment. Early childhood and changing social environment factors in personality integration. Physical, mental and emotional bases of adjustment. Problems of the pre-school child, the elementary school child, and the adolescent. Case studies. *Prerequisite:* a cumulative grade point average of 1.00. Fall quarter. Five credits. Barber.

**Psych. 140. Abnormal Psychology.** The atypical mind, with particular reference to causes and explanations and to the relationship of abnormal phenomena to the normal. The development of concepts especially useful in dealing with exceptional and disordered cases. Practical case studies. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Psych. 1; completion of all general requirements. Spring quarter. Three credits. Barber.

**Psych. 46. Improvement of Learning.** Practical experience is given in how to improve learning in college or on any school level; an analy-



sis of difficulties involving different types of adjustment which interfere with the learning situation. Required of students who are on academic probation. Fall, winter, spring quarters. One credit. Heisler.

**Psych. 155. Child Development.** The educational significance of the main facts and problems of child growth. The principles of learning. The role of the culture in the shaping of personality. *Prerequisites: a cumulative grade point average of 1.00; completion of all general requirements.* Psych. 1. All quarters. Five credits. Heisler.

**Psych. 160. Diagnostic Techniques and Special Measurements.** An introductory course for persons who wish to qualify for the Special Education Credential. Individual intelligence testing; elementary measurements; clinical procedures. *Prerequisites: Psych. 1; Psych. 137, or 155 or equivalent; Junior standing.* Five credits. Fall, winter and summer quarters. Heisler.

## SOCIOLOGY

PROFESSORS KINGSTON, LUDWIG; ASSISTANT PROFESSORS ADAMS, STEWART

Note: See Gen. Ed. 7, 8, 9 Integrated Course in Social Studies.

### COURSE DESCRIPTIONS

**Soc. 61. General Sociology.** The nature of social relations, the influences that shape society, the perspective of social evolution, social control, social pathology. All quarters. Five credits. Ludwig.

**Soc. 110. Rural Sociology.** An introduction to the problems of rural life emphasizing the economic, the social and the cultural elements present in the structure of rural society. *Prerequisite: Sociology 61.* Fall quarter. Three credits. Stewart.

**Soc. 121. Social Origins.** Racial and social origins, growth of customs, the beginnings of civilization, a general view of the pre-historic period. *Prerequisite: Sociology 61, Ec. Bus. 62 and Pol. Sci. 67.* Fall and summer quarters. Four credits. Kingston.

**Soc. 122. Contemporary Social Problems.** Designed to trace the origins and scope of the complex social, economic and political problems confronting present-day society. Appropriate emphasis upon the major social problems found in the United States, including methods, ways and means for their solution. Five credits. Ludwig.

**Soc. 131 Social Thought in Western Civilization.** A study of the major intellectual achievements of Western civilization with special emphasis on the part which they play in contemporary thought. Attention will be given to Greek, medieval, and modern philosophical, religious, and scientific thought as they influence the social thinking of the present. Extensive reading. *Prerequisite: Junior or Senior standing or special permission.* Spring quarter. Four credits. Adams.

**Soc. 135. Youth and Marriage.** A study of the family with special emphasis upon infancy, childhood, adolescence, maturity, emotional development, friendships, dating, courtship, engagement, marriage and parenthood. Due consideration will be given to mental hygiene, problems of health and disease, delinquency, personality, and situations that might lead to divorce and broken homes. Five credits. Ludwig.



## SPANISH

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

**Spanish 1, 2, 3. First Year Spanish.** Grammar, composition, reading of simple texts. Students must begin work in the fall quarter and continue it throughout the year. Fall, winter and spring quarters. Five credits a quarter.

**Spanish 4, 5, 6. Second Year Spanish.** A rapid review of syntax, reading of magazines, newspapers and text. To be taken consecutively beginning with the fall quarter. Fall, winter and spring quarters. Five credits a quarter.

## SPEECH

INSTRUCTORS MILES, McALLISTER, STEVENS

Note: See Gen. Ed. 1, 2, 3 Integrated Course in Humanities.

### COURSE DESCRIPTIONS

**Speech 11. Remedial Speech.** A remedial course designed to treat such defects of speech as would ordinarily hinder effective teacher performance. All students planning either to teach or to take speech work are required to take this course if assigned to it from the speech test. Time arranged. All quarters. No credits. Fee 25 cents.

**Speech 51. Speech Fundamentals.** A beginning course in public speaking emphasizing the development of confidence and effective oral organization. *A student assigned to Speech 11 may only by permission of the instructor register for Speech 51 before taking Remedial Speech.* All quarters. Three credits. Fee 50 cents.

**Speech 52. Speech Delivery.** A continuation of Speech 51, with special emphasis on delivery through the stimulation and liberation of bodily responses in the speech situation. *Prerequisite: Speech 51.* Two credits. Spring quarter.

**Speech 53. Voice for Speech.** A foundation course emphasizing the mental, emotional and physical coordinations necessary for a responsive, unaffected, speaking voice. Training aims at the elimination of unpleasant voice habits and with making the voice responsive to thought and feeling. Required of all majors in Speech, and of teacher-training students on assignment. Three credits. Fee 50 cents.

**Speech 60. Public Discussion.** A modern discussion program in which students, both men and women, give addresses on current prob-

lems before outside audiences. Registration must be made during fall quarter and requires the approval of the instructor in charge. Three credits a season allowed on recommendation of the instructor in charge.

**Speech 61. Forms of Public Address.** Study and practice in the structure and style of the various forms of public address, based on analysis of modern speeches. *Prerequisite: Speech 51.* Spring quarter. Three credits.

**Speech 70. Introduction to Radio Techniques.** A survey of methods used and problems encountered in the production and performance of the various types of radio programs. Workshop approach. Two credits.

**Speech 104. Techniques of Interpretative Reading.** Character portrayal, dialect, interpretation of literary types; public school presentation. Two credits.

**Speech 105. Creative Dramatics.** Survey of the literature suitable for dramatization; demonstration classes. *Prerequisite: English 103, or consent of the instructor.* Winter and summer quarters. Three credits.

**Speech 106, 107, 108. Play Production.** Technical divisions of the stage. Fundamentals of the stage design; color and lighting; standard equipment; make-up. It is recommended that the student complete all three courses consecutively. All quarters. Three credits a quarter.

**Speech 109. Directing.** Technique of directing a play; problems of the director; suggested list of plays. Each student is required to cast and direct a one-act play for class production. Three credits. Summer quarter.

**Speech 110. Acting.** The art of character interpretation on the stage. *Prerequisite: Speech 53.* All quarters. Three credits.

**Speech 112. Children's Theater.** Production; direction; types of plays. *Prerequisite: Speech 105.* Two credits. All quarters.

**Speech 116. History of the Theater.** A study of the development of the theater from its beginnings to modern times. Intended as a background for the appreciation of the development of the art of the theater in its great periods: Greek, Medieval, Pre-Shakespearean, Elizabethan, Restoration and Victorian. Such modern theories as Expressionism, Impressionism, Constructionism. *Prerequisite: Speech 51.* Fall quarter. Three credits.

**Speech 117. Contemporary Theater.** A study of the theater as it exists today with emphasis placed upon current productions, outstanding personalities in the fields of acting, producing, directing, designing and other branches of the theater. Particular emphasis is placed on the current American season, but European theaters are also included in lectures, readings and reports. Summer and winter quarters. Two credits.



**Speech 118. Creative Dramatics Demonstration.** Demonstrations with Laboratory School children in creative dramatics and choral reading. Open to all. Two credits.

**Speech 119. Choric Verse Speaking.** *Prerequisite: Speech 51.* Summer quarter. Two credits.

**Speech 120. Speech for Radio.** Microphone technique. Announcing, interviewing, drama, continuity, special events types. Study of current radio and practice under laboratory conditions. Three credits.

**Speech 130. Oral Reading of Literature.** Training in the mental and vocal techniques essential in reading aloud from the printed page. Training in the analysis and technique of artistic oral interpretation of various forms of literature. *Prerequisite: Speech 53.* Three credits.

**Speech 131. Private Instruction in Interpretative Reading.** One private half-hour lesson a week (1 credit) \$15.00. Two private half-hour lessons a week (2 credits) \$30.00. All quarters.

**Speech 140. Speech Clinic.** A study of procedures in handling remedial speech in the public school and clinical practice in treating speech disorders. Five credits.

**Speech 162. Speech in the Public School.** A course in the techniques of setting up a speech program to meet the needs of elementary and junior high school pupils. Three credits.

**Speech 164. Dramatics in the Public School.** Techniques in handling dramatic work in the public schools. Spring quarter. Two credits.

## Part IV. Student Life and Welfare

### VETERANS

The Eastern Washington College makes every effort to meet the needs of veterans of World War II.

**Counseling.** Counselors are provided to assist veterans with problems regarding financial benefits for attending college under the "G I Bill" and Public Law 16 as well as regarding credits, requirements, and schedules.

Special aptitude tests are given upon request, and efforts are made to schedule classes and offer curricula according to the special needs of veterans. Personal interest and attention are available at all times to veterans' problems as they arise.

**Housing.** Veterans live in the college residence halls and trailer houses on campus and in private homes and apartments off campus. The trailer houses are for married veterans.

**Credits.** The college follows the recommendations of the American Council on Education committee, the American Association of Collegiate Registrars, and the Northwest College Registrars Association regarding adjustments for the admission of veterans and the allowance of credit for educational experience while in the armed forces. Twelve quarter credits are allowed for the completion of basic training or its equivalent, and 18 quarter credits are allowed a veteran for having been commissioned an officer.

Credit for service school experience is allowed according to the recommendations of "A Guide to the Evaluation of Educational Experiences in the Armed Forces" (American Council on Education). Advanced standing credit is also allowed for the passing of the college level General Educational Development Examinations of the United States Armed Forces Institute. Advanced standing credit is allowed, of course, for credits earned at all accredited colleges.

**Admission.** The high school level General Educational Development Examinations of the United States Armed Forces Institute are administered as a basis for the admission of non high school graduates, but veterans who are not high school graduates and do not wish to take the General Educational Development tests are admitted to the college without examination. Such veterans can qualify for regular standing by earning 45 quarter credits (excluding P. E. Activities) with a minimum grade point average of 1.00 (C).

Veterans are also admitted, of course, on the basis of being high school graduates. The Eastern Washington College prescribes no specific high school courses or grade averages for such admission.

### ATHLETICS

The athletic program of the college includes varsity competition in football, baseball, basketball, track, tennis, and golf. The college is a



member of the Washington Intercollegiate Athletic Conference. Every male student who wishes to do so has an opportunity to participate in properly supervised competitive sports.

Woodward Field contains a well turfed football gridiron, a quarter-mile cinder track, a 220-yard straightaway, a baseball field, and an equipment building. There are permanent bleacher seats along both sides of the field.

The college basketball games are played in the gymnasium unit of Martin Hall. The gymnasium unit includes a standard, up to date playing floor lined for basketball, volleyball, badminton, and indoor baseball, and an office for the varsity athletic coach, locker rooms for the visiting and varsity squads, showers, first aid, laundry drying, supply, and equipment rooms. Folding bleacher seats accommodate 1,150 spectators.

Men winning the varsity "W" are eligible for membership in the Men's "W" club, an organization which fosters the ideals of sportsmanship and loyalty to the college.

### MUSIC

The Eastern Washington College offers a well-rounded curriculum in both applied music and music theory. The A Cappella Choir, the College Band, the College Chorus, the College Orchestra, and other ensemble groups provide opportunities for rich experience in vocal and instrumental music.

The A Cappella Choir takes several concert trips during the fall and spring quarters and many music programs are presented by the various ensemble groups on the campus each year. The uniformed College Band frequently appears in concert and represents the college at major athletic contests and other events.

Euphonia the student music society, does much to stimulate worthwhile musical activities on the campus. It offers a scholarship each quarter to a deserving student for private lessons in Piano, Voice or Violin.

Included in the music equipment of the college is a 3-manual Kimball pipe organ, a Steinway concert grand piano, 4 small grand pianos, 10 upright pianos, 8 violins, 3 violas, 2 violincellos, 3 string basses, 6 clarinets, an oboe, a bassoon, 2 trumpets, a trombone, 2 alto horns, a mellophone, a French horn, a tuba, a sousaphone, a complete percussion outfit (2 bass drums, 2 street drums, orchestra drums and bells, tympani and cymbals), an electric orthophonic Victrola, a library of 500 phonograph records, and a large library of standard choral, orchestral, and band music. There are adequate class rooms, rehearsal rooms, practice rooms and studios for instruction in piano, violin, and voice, as well as wind and stringed instruments.

### CAMPUS ACTIVITIES

Through campus organizations, students enjoy associations with fellow students and personal contacts with members of the faculty. Membership in an organization gives an opportunity to develop inti-

ative and leadership. The college sponsors organizations for all interests—professional, athletic, service, scholarship, and honorary.

#### *Athletic*

**Women's "W" Club.** The Women's "W" Club includes all women who have earned a letter in Women's Athletics. The purpose of this organization is to sponsor Women's Athletic programs and develop student leadership.

**Men's "W" Club.** The Men's "W" Club includes all men who have been awarded a letter in a major sport in recognition of their service on the college team.

#### *English and Speech*

**Alpha Psi Omega.** The aim of the Alpha Psi Omega is to foster and promote interest in dramatics, and to produce and manage college plays. Alpha Psi Omega is a national organization.

**Parnassus.** Parnassus is a poetry club organized for the purpose of developing an appreciation of poetry and to promote an interest in creative work.

#### *General*

**Associated Students.** All regularly enrolled students are members of the Associated Students. The business of this organization is conducted by an Executive Board of nine members elected in May of each year from the three upper classes. A permanent secretary from the faculty is appointed by the President of the college. The Associated Students governs, controls, and regulates all student activities.

**Associated Women Students.** This organization comprises all the women students. It seeks to promote the welfare of this group and to discuss the problems specifically involving its well-being. Each quarter the Associated Women Students make two awards: a scholarship cup to the group having the highest grade-point average, and the Working Girl's Scholarship. This association also provides at least one social event each quarter for all the women students on the campus.

#### *Honorary*

**Key.** Key was organized to promote high standards of scholarship. In order to be admitted to Key the student must: (a) maintain a cumulative grade-point average of not less than 2.01 while completing not less than six quarters of college work; (b) maintain a cumulative grade-point average of not less than 2.01 while completing not less than three quarters of work at the Eastern Washington College. When determining eligibility for Key membership, one quarter's work is interpreted to consist of 15 credits, exclusive of Physical Education Activities.

**Kappa Delta Pi.** Kappa Delta Pi is a national honorary education society which promotes professional interest on the campus. Members



are selected on the basis of scholarship and promise of success in the teaching profession.

**Scarlet Arrow.** Scarlet Arrow is an honorary organization for outstanding men on the campus who have shown leadership and have taken an active part in the promotion of college spirit.

**Golden Circle.** The Golden Circle organization was granted its charter in the spring of 1939. It is a senior women's honorary for those who are outstanding in leadership, character, personality, and service.

#### *Music*

**Euphonia.** The Euphonia Club is an honorary society organized to increase student interest in music and to encourage the presentation of better music programs.

**A Cappella Choir.** The choir has a membership of about forty mixed voices. Several concert trips throughout the Inland Empire are made each year by this organization.

**College Band.** The uniformed College Band is composed of both men and women students. It plays for athletic contests and presents occasional concerts on campus and in surrounding communities.

**College Orchestra.** This organization furnishes music for college functions and appears in several concerts each year.

**Madrigal Singers.** The Madrigal group studies the music styles of the sixteenth and seventeenth centuries as well as modern part songs. It is made up of picked voices.

#### *Professional*

**Alpha Sigma.** Alpha Sigma is an honorary Art Club, organized to foster an interest in art, and to give an appreciation of art to other students in the college.

**Association for Childhood Education.** An international organization whose purpose "shall be to gather and disseminate knowledge of the movement for the education of young children; to bring into active cooperation all childhood education interests, including parent education; to promote the progressive type of education in nursery school, kindergarten and primary grades, and to raise the standard of the professional training for teachers and leaders in this field."

**Classroom Teacher Council.** Chartered by the National Education Association in 1931, the Eastern Washington College unit of the Classroom Teacher Council is the only one of its kind in the United States. While the C. T. C. organization is open to classroom teachers from kindergarten through college, the Eastern Washington College unit includes only those interested in middle grade and junior high teaching.

**Ellen H. Richards.** The Ellen H. Richards Club, which is affiliated with the National Organization, is for furthering the purpose and spirit of Home Economics on the campus.

**Geography Club.** The Geography Club is organized for the purpose of sponsoring visiting speakers and lecturers.

**Press Club.** The Press Club aims to further the work of the college weekly newspaper. It is open to students who are, or have been actively engaged in journalism work.

#### *Honorary Service*

**Intercollegiate Knights.** Intercollegiate Knights is a national undergraduate men's service organization which emphasizes the promotion of the spirit and traditions of the college.

**Tawanka.** Tawanka is a women's honorary service organization, the purposes of which are to extend hospitality to campus visitors, to foster college spirit, to promote interest in activities in which the student body participates, and to maintain campus traditions.

### CONVOCATIONS AND LECTURES

The 10:00 period on Thursdays is reserved for convocations. Programs are under the auspices of the Associated Students and include guest and local attractions.

### STUDENT LIVING

The Eastern Washington College regards comfortable, healthful, and congenial living conditions for students as very important. Living conditions of the right kind not only aid students to do the best work in their studies but also through the experience of group life contribute to the building of character and personality. Hence, careful consideration is given to proper living conditions for students through provision of institutional halls of residence on the campus and through supervision of living conditions of students outside the dormitories.

**Dormitories.** Halls of residence are maintained for both men and women students of the college. The men live at Sutton and Hudson Halls and the women at Senior and Monroe Halls. Students are not permitted to board off-campus while living in a dormitory.

The object of the halls is to provide comfortable democratic living conditions conducive alike to successful academic achievement and to complete participation in the wholesome activities of campus life. Living conditions within the halls are made as nearly like those of a good modern home as possible. In addition, the method of government, the distribution of responsibility, and the opportunities for sharing in all the privileges and activities of a congenial social group are such as to promote social coherence and develop college spirit.



Beds, mattresses, pillows, pillow cases, sheets, chairs, study tables, chiffoniers or dressing tables are furnished. Students provide their own study lamps, irons, towels, bed spreads, and blankets. Occupants care for their own rooms. Bath, trunk room space, and laundry facilities are provided.

**Dormitory Rates.** Board and room at the halls of residence for 1947-48 is \$1.25 per day. No reduction is made for week-end absences. Four-fifths of the board is deducted for vacations or absences on account of illness of more than three days. Guest rates are as follows: breakfast or luncheon 30 cents; dinner 50 cents.

Payments for board and room are made monthly in advance. The first month's payment must accompany the minimum, laboratory, and course fees which are paid at the beginning of the quarter in accordance with the student's fee payment appointment number. When a student leaves at the end of the quarter, the \$5.00 deposit is deducted from his last payment.

Board and room can also be secured at reasonable rates in private homes off-campus. For information, address the Dean of Women, or the Dean of Men.

**Dormitory Reservations.** Rooms are reserved in the order of receipt of deposits. A deposit of \$5.00 is required of each student. If the reservation is cancelled not later than five days previous to the opening of the quarter, \$3.00 of the deposit will be returned; otherwise, cancellation causes forfeiture of the entire sum. Reservations are not held later than 8 a. m. on the second day of the quarter, unless special arrangement has been made in advance. The \$5.00 deposit will be retained by the college as a guarantee for the protection of property used by students, and will be credited on the final payment of board, less any deduction for breakage or unusual damage to furnishings.

The first meal in the 1947 fall quarter will be breakfast on Friday, September 19, but the rooms in all dormitories will be ready for occupancy Thursday afternoon, September 18.

Checks for room deposit should be made payable to the Bursar. Assignment of rooms will not be made until Friday before the quarter opens. Room reservations are not transferable.

Separate deposits and reservations are required for the summer quarter.

**Dormitory Withdrawals.** Permission to move off-campus during a quarter is granted only in case of financial emergency, and must be approved by the Dean and by the director in charge of the dormitory. Then two weeks' notice must be given and two dollars of the room deposit is forfeited.

If illness causes students to leave the college during a quarter, two dollars of the room deposit is forfeited.

**Off Campus Living.** Board and room in private homes can be secured at reasonable rates. The list of approved rooming houses may be had, together with that of housekeeping rooms, by addressing the Dean of Women. Men and women are not permitted to room in the same house.

**Trailer Houses.** Trailer Houses are available to married veterans at \$15.00 per month. Heat, light, and water are furnished. For reservations write the Bursar, Eastern Washington College. The trailer house reservation fee is \$5.00 and applies toward rent.

### GUIDANCE AND COUNSELING

Student guidance is cooperatively provided by the officials and instructors of the college in connection with the performance of their duties as dean, registrar, college nurse, research bureau director, placement bureau director, residence hall director, or instructor. Every effort is made to aid students with problems concerning the selection of schedules, academic progress and regulations, finances and part-time employment, health, social adjustment, living conditions, placement, and any other matters which pertain to personal welfare.

The college seeks to help each student toward the selection of courses and activities which will meet his individual needs and be most likely to contribute toward success in his life work and toward the development of a well-rounded personality. Students are encouraged to arrange conferences regarding matters of personal and group interest.

The Dean of Men and the Dean of Women have general responsibility for student welfare and welcome correspondence and conferences with both parents and students. Students look to the Registrar and other faculty advisers for guidance in matters relating to schedule selection and to the operation of the curriculum, but are free to consult the deans at any time. Health problems are the particular concern of the College Nurse.

### HEALTH AND PHYSICAL EDUCATION PROGRAM

All regular students are charged a \$2.50 health fee per quarter as part of the regular registration fee. In return each student is given each year a health examination. In case of chronic and communicable diseases, or of physical defects, recommendations are made by the examining physicians, but treatment is at the student's cost. The college reserves the right to exclude any student whose condition is such as to endanger the general health of the group. Through contact with local physicians the Health Fund provides treatment for illnesses contracted while the college is in session, and for injuries received in the pursuit of college activities. Infirmity care is available for minor illness and emergencies.

It is the aim in Physical and Health education courses to give the student an understanding of the requisites of good health and sanita-



tion in the adult, the child, and the community, as well as to lay a foundation which will enable the teacher to be of real health service in the school and the homes of the community.

Physical education, physiology, general and personal hygiene, sanitation, and the study and application of corrective exercises are given proper emphasis.

Each regularly enrolled student is required to take a Physical Education Activities course each quarter. Exception is made for the quarter when the student is doing Student Teaching and for the summer quarter. Each P. E. Activities course meets 2 hours each week and carries one credit. For such reasons as health, physical deficiency, or age, the Division of Physical and Health Education, the student's Dean, and the Registrar have authority to excuse the student from registering in a P. E. Activities course for a given quarter.

#### STUDENT LOAN FUND

The Students' Loan Fund has come from many sources—student donations, receipts from entertainments, gifts from public-spirited citizens, and interest accumulations.

While it is not possible completely to finance a student through any large part of his course, it serves a very useful purpose in bridging over many difficulties of a limited or temporary character. Students in the junior and senior years may borrow up to \$50.00 and sophomore students may borrow \$25.00. Freshmen are not eligible to borrow from the fund.

The signature of a responsible party is necessary in addition to that of the borrower. The length of time the loan may run is twelve months and the interest rate is 6%.

#### SCHOLARSHIPS AND AWARDS

**The Ralph Earle Tiejé, Junior, Memorial Scholarship.** Dr. and Mrs. Ralph E. Tiejé offer an annual scholarship of \$100.00 to an English or Speech minor who completes the senior year in residence. Awarded upon recommendation of the Division of Languages and Literature, and payable at the end of each quarter. Established 1934.

**The Music Faculty Scholarships.** Each year members of the music faculty of the college offer scholarships in voice, wind instruments, stringed instruments, and piano. The scholarships entitle the holders to individual instruction for three quarters. The members of the department of music of the college faculty constitute the committee in charge. Established 1938.

**The Euphonia Scholarships.** Three awards annually are made by the Euphonia Club, each providing a quarter's instruction in one of the following: Voice, piano, organ, or a stringed instrument. The committee, consisting of representatives from the music department, the deans'

offices, and the Euphonia organization, bases its selection on worthiness and promise. Established 1932.

**The Associated Women Students Scholarship.** The scholarship of \$10.00 is awarded quarterly to the woman student who makes the highest scholastic average while earning part of her expenses through part-time employment. Established 1925.

**The Tawanka Alumnae Scholarship.** Two awards of \$10.00 each are made by the Spokane Tawanka Alumnae group each year. The awards are granted to active club members for outstanding service to the organization and to the college. The committee in charge consists of Dean Nelson, Miss Pearson, and Mr. Pence. Established in 1938.

**The Scarlet Arrow Athletic Award.** This award is given twice each year, first to the outstanding football man, and secondly to the outstanding basketball man. The basis of selection is sportsmanship, cooperation, inspiration, and leadership. The respective varsity teams choose the outstanding players of the season. Established 1933.

**The Scarlet Arrow Achievement Award.** On the basis of character, achievement, leadership, and self-support, a cup is awarded to a student in his junior or senior year by the Scarlet Arrow. The committee in charge consists of the deans, the registrar, Miss Dustin, and Mr. Woodward. Established 1933.

**Bill Babin Memorial Scholarship.** In 1947 the Inter-Collegiate Knight Fraternity established the "Bill Babin Memorial Scholarship." This twenty-five dollars scholarship is to be awarded annually in honor of their former member, Bill Babin. This award will be made to a man in his third quarter at Eastern. This scholarship is awarded on the basis of scholarship, character, willingness to serve, leadership, and financial need. A four-man committee consisting of two members of the Inter-Collegiate Knights, and two members of the faculty will determine whom the recipient of the scholarship shall be.



## Part V. Academic Procedures

**Credits.** Credits are reckoned in terms of recitation periods. The net length of each recitation period is 50 minutes. One credit requires one class period a week for one quarter. Forty-five credits exclusive of Physical Education Activities (P. H. E. 4 or P. H. E. 13), constitute one year's work. In laboratory work two fifty-minute periods are required for one credit hour.

**Grading Scale.** The grading scale is A (superior); B (excellent); C (average); D (below average); Failed; Incomplete; S (satisfactory); W (withdrawn).

The grade "Incomplete" is given only when the quality of the work is satisfactory but, for reasons acceptable to the instructor, the course has not been completed. An "Incomplete" may be converted into a passing grade not later than the fourth Friday after the beginning of the next succeeding quarter following the quarter for which the incomplete was given.

**Grade Point Average.** The grade point average is the quotient of total grade points divided by the total quarter hour credits in which the grades, A, B, C, D, and Failed are received. Grade point averages are computed on the basis of three grade points for each quarter hour credit of A; 2 for each quarter hour credit of B; 1 for each quarter hour credit of C; 0 for each quarter hour credit of D; and -1 (minus one) for each quarter hour credit of Failed. The grades of "Incomplete," "S," and "W" are disregarded in the computation of points.

**Standard Load.** The standard student load per quarter is 15 credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13).

**Overload.** Students who wish to carry more than a standard load must secure permission from the registrar. Permission is based upon either the student's cumulative grade point average for three previous quarters or the student's cumulative grade point average for all of his previous quarters as follows:

During the fall, winter, and spring quarters the student whose average is from 1.00 to 1.49 inclusive is permitted to carry 17 credits per quarter exclusive of Physical Education Activities (P. E. 4 or P. E. 13); the student whose average is from 1.50 to 1.74 inclusive is permitted to carry 18 credits exclusive of P. E. Activities; the student whose average is from 1.75 to 1.99 inclusive is permitted to carry 19 credits exclusive of P. E. Activities; and the student whose average is 2.00 is permitted to carry 20 credits exclusive of P. E. Activities.

In the summer quarter the maximum student load per term (one half of the quarter) is 9 credits, exclusive of P. E. Activities, unless the student has a cumulative grade point average of 1.75 or below 1.00. The student with a cumulative g. p. a. of 1.75 may carry 9½ credits per term, while one with a cumulative g. p. a. of 2.00 may carry 10. The

student whose cumulative g. p. a. is from .75 to .99 inclusive is limited to 7 credits per term, while one with a g. p. a. below .75 is limited to 6.

**Academic Probation.** The following students are placed on academic probation: (1) those who ranked in the lowest fourth of their high school graduating classes and are registering for or during the first quarter of their Freshman year; (2) graduates of unaccredited high schools who are registering for or during the first quarter of their Freshman year; and (3) those who have a cumulative grade point average below 1.00 and did not make a grade point average of at least 1.00 the preceding quarter.

The registration of students who have been placed on academic probation is regulated as indicated in the three following paragraphs:

(1) A student who ranked in the lowest fourth of a high school graduating class may not register for more than 12 credits, exclusive of Physical Education Activities, during the first quarter of his Freshman year.

(2) A graduate of an unaccredited high school may not register for more than 12 credits, exclusive of Physical Education Activities, during the first quarter of his Freshman year.

(3) A student who has a cumulative grade point average from .75 to .99 inclusive, and who did not make a grade point average of at least 1.00 the preceding quarter may not register for more than 14 credits exclusive of Physical Education Activities. A student who has a cumulative grade point average below .75, and who did not make a grade point average of at least 1.00 the preceding quarter may not register for more than 12 credits exclusive of Physical Education Activities.

**Note:** In case a low grade point average is due to a major illness, academic probation may be waived upon the recommendation of the Dean of Men or the Dean of Women.

#### CLASSIFICATION OF STUDENTS

Students having 135 or more credits (exclusive of P. E. Activities) are classified as seniors, those having from 90 to 134 as juniors, those having from 45 to 89 as sophomores, and those having fewer than 45 as freshmen.

#### CERTIFICATION TO TEACH

Both the "Three-year Elementary Certificate" issued by the Eastern Washington College and the "War Emergency Elementary Certificate" issued by the State Department of Education are valid in the accredited junior high schools of Washington as well as in the elementary schools of the state.

**Three-year Elementary.** The teaching certificate issued by the Eastern Washington College is known as the "Three-year Elementary Certificate." Applicants for it must graduate from the four-year curriculum with the degree of Bachelor of Arts in Education.



The "Three-year Elementary Certificate" is valid for three years, but on December 22, 1942, the State Board of Education provided that this certificate should "be extended during the manpower emergency (as determined by the State Board of Education) and the holder thereof allowed one year beyond for the completion of the 15-credit renewal or six-year standard requirements, provided the teacher is continuously teaching on this certificate."

**Wartime.** On December 22, 1942, the State Board of Education empowered the State Department of Education to issue a "War Emergency Elementary Certificate" upon recommendation of elementary teacher training institutions in the state, on the basis of three years of college training including student teaching. This "training must have been completed on the basis of at least three quarters residence in the institution recommending the certificate. \* \* \*"

The "War Emergency Elementary Certificate" "is in force during the manpower emergency (as determined by the State Board of Education) and three years beyond, provided the teacher is continuously teaching on this certificate."

**Information.** For further information regarding certification regulations write the Registrar.

### SPECIAL EDUCATION CREDENTIAL

Courses required for the Special Education Credential are offered by the college.

Under the state program of Special or Remedial education, teachers are being urged to become remedial specialists, and in some cases special financial inducements are offered. Dr. Florence Heisler, an expert in remedial education, is employed by the state especially to train remedial teachers at the Eastern Washington College. For this purpose the state has also provided excellent equipment for the college diagnostic and testing laboratory.

The Special Education Credential required of remedial teachers is issued by the state department of education upon the completion of the following courses:

Speech Clinic (See Sp. 140).....	5 credits
Psychology of Adjustment (See Psy. 137).....	5 "
Diagnostic Techniques and Measurements (See Psy. 160).....	3 "
Remedial Reading (See Ed. 147).....	3 "
Remedial Arithmetic (See Ed. 147).....	2 "
Arts and Crafts (See any Art course).....	5 "
Directed Observation and Teaching in a Typical Remedial Class (See Ed. 188).....	5 "
Sight Saving .....	2 "

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Total..... 30 credits

**ADMINSTRATOR'S CREDENTIALS**

Courses required for principal's and superintendent's credentials are offered during summer quarters. Such courses are referred to in parentheses in the lists which follow.

The Elementary Principal's Credential is required of principals of elementary schools with six or more teachers and the Junior High School Principal's Credential of all junior high school principals. Superintendents and union high school principals not serving under superintendents are required to have a Superintendent's Credential.

*One year of teaching experience must precede the completion of courses used to satisfy the professional requirements for an administrator's credential. Professional courses used to satisfy requirements for an administrator's credential must have been completed within 10 years prior to the application for the credential.*

The credentials are issued by the State Department of Education under the following regulations:

**Elementary Principal's Credential.** The applicant must have (a) certification to teach at the elementary level; (b) 2 years of successful elementary or junior high teaching experience; and (c) 12 quarter hours of professional courses relating to elementary organization, supervision and administration in addition to the completion of the three-year curriculum. These 12 credits in professional courses must include not less than 6 credits from List A below. The remaining credits may be taken from either List A or List B.

**List A:**

- Elementary Curriculum (see Ed. 153)
- Elementary Administration and Supervision (see Ed. 126)
- Elementary School Methods (see Ed. 108, Ed. 151, Art. 181, I. Ed. 102, Mus. 101, P. H. E. 146, P. H. E. 109, P. H. E. 110)

**List B:**

- Guidance
- Tests and Measurements
- Kindergarten (see Ed. 143)
- Health and Physical Education (see P. H. E. 102, 109, 110, 117, 118, 119, 121, 125, 129, 146)
- Remedial Education (see Ed. 147, Ed. 188, Psych. 160, Sp. 140)

**Superintendent's Credential.** The applicant must have 2 years of experience as principal of an elementary school with 6 or more teachers and 2 years of experience as principal of a high school, or head of a high school department, or supervisor. However, professional courses may be substituted for elementary administrative experience or secondary administrative experience, but not for both.

The applicant with 2 years of experience as principal of an elementary school of 6 or more teachers may substitute 12 quarter hours of professional courses relating to organization, administration and



supervision in secondary schools for the 2 years of experience as a high school administrator. The 12 hours are in addition to the minimum required for initial secondary certification.

The applicant with 2 years of experience as a high school principal, head of a high school department, or supervisor may substitute 24 quarter hours of professional courses relating to organization, administration and supervision of elementary education for the 2 years of experience as an elementary school principal. Twelve of the 24 quarter hours of professional courses substituted for the 2 years of elementary administrative experience may be secured at the Eastern Washington college by persons with secondary certification; the remaining 12 must be in courses acceptable for graduate credit.

Of the 24 quarter hours of professional courses which may be substituted for experience as an elementary school principal at least 6, including School Finance, must be from List A below. The remaining 12 may be taken from either List A or List B.

**List A:**

- Elementary Curriculum (see Ed. 153)
- Elementary School Administration and Supervision (see Ed. 126)
- Elementary School Methods (see Ed. 108, Ed. 151, Art 181, I. Ed. 102, Mus. 101, P. H. E. 146, P. H. E. 109, P. H. E. 110)
- School Finance

**List B:**

- Guidance
- Tests and Measurements
- Kindergarten (see Ed. 143)
- Health and Physical Education (see P. H. E. 102, 109, 110, 117, 118, 119, 121, 125, 129, 146)
- Remedial Education (see Ed. 147a, Ed. 147b, Ed. 188a, Psy. 160, Sp. 140)

**ACCREDITATION OF THE COLLEGE**

The Eastern Washington College is accredited by the American Association of Teachers Colleges and by the Northwest Association of Secondary and Higher Schools. Students in good standing who wish to transfer to other recognized institutions of higher learning will receive full credit for all courses satisfactorily completed.

**GRADUATION CANDIDACY**

Candidates for graduation are required to file with the Registrar, not later than two weeks after the opening of the third quarter preceding graduation, copies of their proposed schedules of courses for the three quarters preceding graduation. Graduation candidates are also required to file with the Registrar, not later than two weeks after the

opening of the last quarter preceding graduation: (1) a formal application for graduation; (2) an oath of allegiance bearing the applicant's notarized signature; and (3) the receipt for the applicant's graduation fee of \$5.50. The application and oath forms are secured at the Registrar's office and the graduation fee is paid at the Bursar's office. The Bursar will notarize the applicant's signature on the oath form.

### HONOR STUDENTS

**Quarterly Honor Roll.** Students whose grade point average for a given quarter is 2.25 or better are designated Honor Students for that quarter.

**Freshman Honor Roll.** The Freshman Honor Roll is computed and published at the close of each spring quarter. In order to be included in the Freshman Honor Roll the student must maintain a cumulative grade point average of not less than 2.01 while completing his first three quarters of college work. When determining eligibility for the Freshman Honor Roll, one quarter's work is interpreted to consist of 15 credits, exclusive of Physical Education Activities.

**Key.** Key was organized to promote high standards of scholarship. In order to be admitted to Key the student must: (a) maintain a cumulative grade point average of not less than 2.01 while completing not less than six quarters of college work; (b) maintain a cumulative grade point average of not less than 2.01 while completing not less than three quarters of work at the Eastern Washington College. When determining eligibility for Key membership, one quarter's work is interpreted to consist of 15 credits, exclusive of Physical Education Activities.

**Senior Honors.** The names of graduates who qualify for senior honors are read at the commencement exercises of the college. Seniors whose cumulative grade point averages are not less than 2.75 are graduated with Highest Honors. Seniors whose cumulative grade point averages are 2.50 and above, but below 2.75, are graduated with High Honors. Seniors whose grade point averages are 2.25 and above, but below 2.50, are graduated with Honors.

**Grade Point Averages** are computed on the basis of 3 grade points for each quarter hour credit of A; 2 for each quarter hour credit of B; 1 for each quarter hour credit of C; 0 for each quarter hour credit of D; and -1 (minus one) for each quarter hour credit of Failed. The grade point average is the quotient of total grade points divided by the total quarter hour credits in which the grades A, B, C, D, and Failed are received.

### INDEPENDENT STUDY

The Eastern Washington College provides independent study opportunities for superior students.

A student who has earned 75 or more credits with a cumulative grade point average of 2.00 or better is eligible to apply to the Registrar for



independent study privileges. The faculty committee which acts upon the application consists of the Registrar, the Dean of Men and the Dean of Women.

A student who continues to maintain a grade point average of 2.00 after his independent study application has been approved by the committee may engage in independent study in one course each quarter of his junior and senior years provided the instructor of the course chosen feels that the nature of the course and the student's abilities make independent study a suitable procedure. An instructor who has accepted a student for independent study has authority to make appropriate substitutions for class attendance, examinations or other features of the course affected.

#### **RESIDENCE REQUIREMENT**

No student may graduate from the college with less than a year (3 quarters) of attendance and 45 credits earned in residence. The last quarter or term of the student's work preceding graduation must be done in residence at the Eastern Washington College.

Extension and correspondence courses must be completed outside of the residence quarters and may not be counted as being done in residence.

#### **VOICE TEST**

All students who have not previously taken the Voice Test are required to do so during the fall quarter of each year. The Voice Test must be taken by all regular students, whether or not they are preparing to teach.

A fine of fifty cents is imposed upon students who fail to keep Voice Test appointments arranged by the Division of Languages and Literature. Any student who is required to pay the fine may not complete his registration for the next quarter until fine is paid.

#### **SPECIAL STUDENTS**

Special students are those enrolled in not more than two courses exclusive of Physical Education Activities (P. E. 4 or P. E. 13), or for not more than six credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13). The enrolment fee for special students is \$2.00.

#### **TRANSCRIPTS OF RECORD**

A student who wishes to send transcripts of his record to other institutions will be furnished the first copy without charge. A fee of \$1.00 will be charged for each transcript thereafter. Transcript fees must be paid in advance.

#### **NOTICE**

The college reserves the right to change at any time any of its regulations affecting students. Such regulations regarding admission, fees, graduation, withdrawal of courses, etc., shall become effective whenever the proper authorities may determine and shall apply to current students as well as future ones.

## Part VI. Facilities and Organization

Cheney is sixteen miles distant from Spokane by rail and the Columbia Basin highway. Transportation is furnished by the Chicago, Milwaukee and St. Paul; the Northern Pacific; the Union Pacific; and several motor bus lines.

### CAMPUS

The Eastern Washington College has a 40-acre campus four blocks from the Columbia Basin highway. Shrubs and native pine trees, as well as birch, fir, maple, spruce, ash, willow, elm, locust, and other trees help to make the campus attractive at all seasons of the year.

*Showalter Hall*, the administration building, is a three-story structure containing administrative offices, classrooms, natural and applied science laboratories, and the college auditorium. This building also houses many physical education activity classes.

*Martin Hall*, the College Elementary School building is somewhat unique in that it was definitely planned not only to meet the needs of children doing elementary work but to serve as a teacher training center as well.

One wing of the building is occupied by a gymnasium unit in which college basketball games are played.

*Hargreaves Library*. The Hargreaves Library is a beautiful structure in modern Roman style of terra cotta and brick with tile roof. The building is air-conditioned with recirculating air, and is provided with a cooling system for use in the summer.

The dormitories—*Senior Hall*, *Monroe Hall*, *Sutton Hall*, and *Hudson Hall*—are modern and fully equipped homes, the first two for women and the latter two for men. Students find the grand pianos, the modern radios, the large lounge rooms for reading, dancing and receptions, the candy kitchens and the laundry rooms conducive to their comfort.

In the *Industrial Education Building* are the shops for woodworking, metal, concrete, radio and electrical construction. The college print shop and drafting rooms are also in this building.

The college *Infirmery* is a one-story frame structure which houses a four-bed ward for men students and a four-bed ward for women students.

During the past year Eastern Washington College has been actively engaged in providing emergency housing for veterans. We have been assisted in this program by grants of more than a million dollars from the federal government and the Washington State Development Board.

*Hudson Hall* dormitory was moved to E. W. C. E. from the Vancouver, Hashington, war housing project. Here it was reassembled into a spacious dormitory with well furnished single and double bedrooms, and recreation rooms.



Other temporary housing includes twelve dwelling units for *faculty housing*; seventy-six *trailer* homes for married veterans; a building to be used to increase *infirmary* facilities and provide a *nursery* and *sewing room* for residents of trailer homes; an *office* and *classroom building* for the psychological and guidance clinic, the department of journalism and student publications; a supplementary *dining hall* and *kitchen*; a *women's residence annex*.

Arrangements have been made for moving a combination field house and men's residence hall to the campus from Farragut Naval Station.

*Ratcliffe House*, formally presented to the E. W. C. E. student body November 22, 1946, is a recreation center financed, managed and directed by students. Beautiful in its appointments, with snack bar, dining rooms, dance floors, lounge, card and game rooms, this student union building is a center for fun and relaxation.

#### STUDENT TEACHING

The purpose of student teaching is to help the student teacher to become a thoughtful and alert student of education as well as to make him immediately proficient in teaching.

Student teachers have the opportunity of observing actual teaching by expert teachers, of doing student teaching under the supervision of a well-trained staff, and of seeing the administrative details of school work in operation. Student teaching is done in the College Elementary School on the campus, in the Cheney Junior High School two blocks from the campus, and in elementary and junior high schools in the city of Spokane.

#### LIBRARY

The college library is housed principally in the new Hargreaves Library completed and occupied in 1940. The library consists of about 69,500 volumes of catalogued books and several smaller collections of other kinds of reading matter. The book collection is composed, in the main, of fairly recent books, having been acquired since the complete destruction of the original library by fire in 1913.

The main book collection in the library building is a reference and circulating collection of 63,000 volumes, including 5,000 volumes of bound periodicals. In addition, there is a pamphlet file of 2,300 items, 5,000 uncatalogued U. S. and Washington state documents, and 7,800 issues of unbound periodicals. Nearly 200 periodicals and daily newspapers are received regularly.

The collection of Northwest Americana contains some 1,600 volumes covering the period of discovery, the fur trade, the first missionaries, early settlements, mining and ranching, the experiences of the pioneers, etc. There are complete files of the northwest historical magazines, several volumes of early newspapers, over a thousand typewritten transcripts from early newspapers and periodicals, a number of

unpublished manuscripts, and many maps of the territorial periods. In connection with the Northwest collection, microfilm production and reading equipment have been installed.

A children's library of 6,500 volumes is housed in Martin Hall, the College Elementary School. A number of reference works for both teachers and pupils are provided. Fourteen periodicals are received for the use of the children. The library has the Keystone and Underwood visual sets, and a file of 3,000 mounted pictures.

The branch library of the Industrial Arts department is kept in the office of the department in the Industrial Arts building. It now contains approximately 1,400 volumes, including a number of industrial art periodicals.

The Geography department has assembled an auxiliary library collection of its own, much of which will eventually become part of the college library. This collection is now shelved in the offices and store rooms of the Geography department, and is maintained for the use of both teachers and students of geography. It contains more than 1,400 issues of unbound periodicals, 2,600 pamphlets, 1,300 U. S. and state documents, 100 books, 300 single maps, and folios of U. S. Geological Survey maps.

#### EXTENSION AND CORRESPONDENCE

**Credits.** A total of 45 credits earned in extension and/or correspondence courses may be counted toward the degree of Bachelor of Arts in Education. Neither correspondence nor extension courses may be carried while a student is in residence.

**Fees.** The fee for a single course is paid in advance. Where two or three courses are begun at one time, one-half the fees must be paid in advance, but the remainder may be paid in installments.

**Time.** A correspondence course may not be completed in less than one calendar month, and should be finished in not more than one year from the date of enrolment. The enrolment fee for a course is forfeited if no work is done on the course for six months. Not more than 9 credits may be earned in extension and/or correspondence courses in any one quarter.

**Residence.** No student may graduate from the college with less than a year (3 quarters) of attendance and 45 credits earned in residence. The last quarter or term of the student's work preceding graduation must be done in residence at the Eastern Washington College.

**Grades.** The grade "S" (satisfactory) is given when a correspondence or extension course is completed. In computing grade point averages "S" grades are disregarded.

**Information.** For further information regarding the titles, credits, and fees for the courses offered by correspondence write the Extension Office. Checks and money orders are made payable to the Bursar.



PLACEMENT OFFICE

All recommendations to teaching positions are made through the Placement Office. Each student is required during the last quarter before graduation to leave with the Placement Office a photograph and full set of credentials covering his academic preparation and teaching experience. Complete files are kept for each graduate, together with a card index of his work and preparation. School boards, principals, and superintendents who are in need of teachers should communicate with the Placement Director.

Teachers certified by other teacher education institutions may enroll with the Placement Officer when they have completed two quarters' work at the Eastern Washington College.

Checks or money orders for placement service are made payable to the Bursar.

DIVISIONAL ORGANIZATION

The fields of instruction offered by the Eastern Washington College are organized in eight divisions as follows:

Applied Sciences and Arts.....	{	Art
		Biology
		Home Economics
		Industrial Education
Education, Psychology, and Philosophy.....	{	Education
		Psychology
		Philosophy
History and Social Studies.....	{	Economics and Business
		History
		Political Science
		Sociology
College Elementary School.....		(See Education)
Languages and Literature.....	{	English
		Journalism
		Librarianship
		Modern Languages
		Speech
Music		
Physical and Health Education		
Physical Sciences and Mathematics.....	{	Geography and Geology
		Mathematics
		Physical Sciences

## FACULTY COMMITTEES

*Administration Council:*

Blair, Brewer, Craney, Dressler, Frasier, Freeman, Holmquist, Hungate, Lane, Ludwig, Morrison, Eunice Nelson, Pence, Reese, Rowles, Wallace, Williamson, Woodward, Wilson, Stronach

*Alumni:*

Chairman—Pence

Members—Anderson, Bowsby, Holmquist, Lang, Poffenroth, Reese  
Thorington

*Athletics:*

Chairman—Hungate

Members—Dressler, Dales

*Campus and Physical Plant:*

Chairman—Surbeck

Members—Dales, Gruber, Guthrie, Lane, Rogers, Swerer

*Curriculum:*

Chairman—Freeman

Members—Dressler, Frasier, Hungate, Ludwig, Reese, Rowles, Wallace, Williamson, Woodward

*Discipline and Conduct:*

Chairman—Adams

Members—Dickinson, Hungate

*Entertainment and Special Attractions:*

Chairman—Jean Stevens

Members—Chesnut, Dustin, Dryden, Elrod, Hallgrimson, Miles,  
Harold Stevens, Stevenson

*Faculty Organization and Welfare:*

Chairman—Vandevanter

Members—Cullen, Davidson, Dayton, Elwick, Shindler, Stewart,  
Wiley, Williamson

*General Education and Junior College:*

Chairman—Herring

Members—Guthrie, Haas, Lawton, Swerer, Tallyn, Wallace

*Guidance and Counseling:*

Chairman—Heisler

Members—Barber, Barton, Bell, Eunice Nelson, Pence, Shindler,  
Surbeck, Wallace

*Instruction and Scholarship:*

Chairman—Dryden

Members—Gruber, Guthrie, Heisler, Herring, Kingston, Seiler,  
Taylor, Mrs. Wallace



*Instructional Aids—Materials:*

Chairman—Cullen

Members—Dustin, Foss, Lane, Lang, Newland, Pearson, Mrs. Riddle

*International Relations:*

Chairman—Dayton

Members—Adams, Chesnut, Hepperle, Lawton, Newland

*Library:*

Chairman—Stewart

Members—Bell, Dryden, Hepperle, Seiler, Tallyn, Williamson, Hitchcock

*Off Campus Services*

Chairman—Goodsell

Members—Frasier, Freeman, Gingrich, Miles, Pence, Vandevanter, Wiley

*Public Relations:*

Chairman—Gingrich

Members—Elrod, Foss, Herring, Holmquist, Ludwig, McGrath, Morrison, Poffenroth, Rowles

*Recruitment of Teachers:*

Chairman—Barton

Members—Brewer, Hitchcock, Johnston, McGrath, Nelson, Williamson

*Student Assistance and Incentives:*

Chairman—Hallgrimson

Members—Anderson, Blair, Lane, Nelson, Reese, Stronach, Surbeck, Taylor, Wilson

*Student Welfare and Morale:*

Chairman—Dickinson

Members—Barber, Bass, Brodnax, Craney, Goodsell, Jack, McAllister, Nelson, Woodward

*Teacher Training:*

Chairman—Brewer

Members—Barton, Frasier, Gingrich, Johnston, Charles Nelson, Pearson, Rowles, Swerer

*Veterans:*

Chairman—Rogers

Members—Brodnax, Dressler, Giles, McAllister, Pence, Reese

**QUARTER SYSTEM**

The college is operated on the four-quarter system, each quarter having approximately twelve working weeks. The quarter system permits students to do a full quarter of work in the summer. Students

attending consecutive quarters—fall, winter, spring, and summer—can complete the four-year curriculum in three calendar years.

#### SUMMER QUARTER

The fourth quarter of the college year is known as the Summer Quarter.

All types of work offered in the other quarters of the year are given in the summer. Since emphasis is placed upon the junior and senior years, teachers are provided excellent opportunities to progress professionally.

For complete information write the Registrar.

#### HISTORY

The 1947 law which authorized the Eastern Washington College to grant the degree of Bachelor of Arts with majors in fields other than education represents an important step in a development which has paralleled the growing needs of the state. The 1947 authorization to grant the degree of Master of Education constitutes a similarly important expansion of services.

The College was established by law in the early days of statehood and opened in October 1890. For a number of years secondary education was not adequately developed in the state and the student body included preparatory pupils as well as first and second-year college students. In 1917 three and four-year college curricula were authorized and preparatory courses were discontinued.

Following a steady growth in upper division enrolment, the laws of 1933 empowered the College to grant the degree of Bachelor of Arts in Education. Emphasis on both general and professional courses in the Bachelor of Arts in Education curriculum led naturally to the establishment of Bachelor of Arts and Master of Education curricula.



## Part VII. Directory of Personnel

### BOARD OF TRUSTEES

MRS. LESLIE BARBER .....	Colfax
DAVE S. COHN .....	Spokane
JAMES E. McGOVERN, Chairman.....	Spokane

### STATE BOARD OF EDUCATION

PEARL WANAMAKER.....	State Superintendent of Public Instruction
RAYMOND B. ALLEN.....	President, University of Washington
WILSON M. COMPTON.....	President, State College of Washington
R. E. McCONNELL.....	President, Central Washington College
E. J. McNAMARA.....	Superintendent, Longview City Schools
MARVIN STEVENS.....	Superintendent, Thurston County Schools
HENRY THORSETT.....	Principal, Federal Way High School

### ADMINISTRATIVE OFFICERS AND ASSISTANTS

WALTER W. ISLE.....	President
G. W. WALLACE.....	Registrar
O. O. PENCE.....	Director of Placement and Extension, Dean of Men
EUNICE NELSON.....	Dean of Women
H. N. STRONACH.....	Bursar
C. M. FRASIER.....	Director of In-service Education and Student Teaching
ZELMA MORRISON.....	Director of Information
H. E. HOLMQUIST.....	Director of Publications
J. S. LANE.....	Superintendent of Buildings and Grounds
FRANCES WILSON.....	Director of Dining Halls
ETHEL JACK.....	Assistant Director Dining Hall
EMILY CRANEY.....	College Nurse
MARIE STERNITZKY.....	Assistant Nurse
CHARLOTTE JOHNSON.....	Cooperative Public Health Nurse
GLADYS THOMAS.....	Secretary to the President
JEANNE BARTON.....	Assistant to the Registrar
MARGARET ROSENZWEIG.....	Secretary to the Registrar
MARIE NEAL.....	Secretary to the Bursar
DORTHY EBERT.....	Secretary, College Elementary School

### LIBRARY STAFF

H. M. BLAIR.....	Librarian
J. P. GRUBER.....	Assistant Librarian
MARIE HAAS.....	Assistant Librarian
RUTH RIDDLE.....	Assistant Librarian
HOPE CULLEN.....	Librarian, College Elementary School

## RESIDENCE HALL STAFF

RACHEL BERG.....	Housemother Sutton Hall
KATHERINE HOOPMAN.....	Housemother Hudson Hall
MARY NEWTON.....	Housemother Senior Hall
EVA WASHBURN.....	Housemother Monroe Hall

## INSTRUCTIONAL STAFF

Note: The date following the name indicates the beginning of service in the College.

HENRY MASON ADAMS (1939)

*Assistant Professor of Economics*

A.B., Lehigh University

A.M., University of Southern California

Ph.D., Stanford University

LOUISE CHANDLER ANDERSON (1915)

*Assistant Professor of Foods and Nutrition*

B.S., University of Washington

Graduate study University of California, Oregon State College,

Columbia University

DAVID ALEXANDER BARBER (1923)

*Assistant Professor of Education and Psychology*

A.B., University of Washington

A.M., University of Washington

Ph.D., University of Washington

Graduate study University of Chicago

AMSEL BEATRICE BARTON (1940)

*Assistant Professor of Elementary Education*

A.B., Eastern Washington College of Education

A.M., Teachers College, Columbia University

RAYMOND FRANK BELL (1940)

*Assistant Professor of Science and Mathematics*

A.B., West Virginia Institute of Technology

M.S., University of Michigan

Graduate study University of Kentucky, University of Wisconsin,

University of Michigan

HUGH MACDONALD BLAIR (1928)

*Librarian*

A. B., University of Kansas

B. A. in L. S., Columbia University

Graduate study University of Kansas, Harvard University, Columbia University

AUSTON MADISON BREWER (1946)

*Principal of the College Elementary School*

A.B., Eastern Washington College of Education

A.M., Colorado State College of Education

Graduate study Colorado State College of Education



NANCY KATE BRODNAX (1928)

*Assistant Professor of Textiles and Clothing*

A.B., University of Oklahoma  
A.M., University of Washington  
Graduate study New York School of Design, University of Texas,  
University of Costa Rica

VIOLA MARIE CASSIDY (1937)

*Assistant Professor of Elementary Education*

B.S., Western Reserve University  
A.M., Teachers College, Columbia University

CORA MAE CHESNUT (1946)

*Instructor in Physical and Health Education*

Graduate Cornish School of Arts, Dalcroze Eurythmics (New York City)  
Additional study State College of Washington, University of California, Eastern Washington College of Education, Pomona College

GEORGE EDWARD CRAIG (1912)

*Emeritus Professor of Education*

A.B., Stanford University

HOPE ELIZABETH CULLEN (1939)

*Instructor in Elementary Education. Librarian in College Elementary School*

A.B., Eastern Washington College of Education  
Graduate study University of Washington  
A.M., New York University

EDWARD LAMONT DALES (1917)

*Assistant Professor of Industrial Education*

B.S., University of Wisconsin  
Graduate study Stout Institute, Oregon State College, University of California

FLORA ELIZABETH DAVIDSON (1921)

*Assistant Professor of Health Education*

B.S., University of Missouri  
A.M., Teachers College, Columbia University  
Graduate study University of Southern California

ARETAS ARNOLD DAYTON (1942)

*Assistant Professor of Social Studies*

B.Ed., Illinois State Normal University  
M.A., University of Illinois  
Ph.D., University of Illinois

MARY VIRGINIA DICKINSON (1921)

*Assistant Professor of English*

A.B., University of Wisconsin  
A.M., University of Washington  
Graduate study Ideale Ecole Francaise, University of Wisconsin, Stanford University

GRAHAM MCFARLAND DRESSLER (1940)

*Acting Head of the Division of Languages and Literature, Veterans  
Education Advisor, Assistant Professor of English*

A.B., University of Illinois  
A.M., University of Illinois  
Ph.D., University of Washington

CECIL PEARL DRYDEN (1924)

*Assistant Professor of History*

A.B., University of Washington  
A.M., Columbia University  
Graduate study University of Moscow (Russia)

HANNAH ANTOINETTE DUSTIN (1920)

*Assistant Professor of Physical Education*

A.B., Eastern Washington College of Education  
A.M., New York University  
Graduate study University of Washington

CHRISTINE ELROD (1947)

*Instructor in English*

A.B., Southwestern Oklahoma State College  
Graduate study Oklahoma Agricultural and Mechanical College

VIRGINIA FITZPATRICK (1943)

*Instructor in Elementary Education*

A.B., Eastern Washington College of Education  
A.M., Teachers College, Columbia University  
Graduate study Teachers College, Columbia University

GENEVA E. FOSS (1946)

*Instructor in Languages and Literature*

A.B., University of Oregon  
A.M., Montana State University  
Graduate study University of California

CLARK MELVILLE FRASER (1930)

*Director of In-Service Education and Student Teaching and Professor  
of Elementary Education*

A.B., Colorado State College of Education  
A.M., Colorado State College of Education  
Graduate study George Peabody College for Teachers, Colorado  
State College of Education

OTIS WILLARD FREEMAN (1924)

*Head of the Division of Physical Sciences and Mathematics and  
Professor of Geography*

A.B., Albion College  
M.S., University of Michigan  
Ph.D., Clark University



ESTHER MARIE GINGRICH (1930)

*Assistant Professor of Art*

A.B., University of Washington  
A.M., Teachers College, Columbia University  
Graduate study University of Washington, Carnegie Institute of  
Technology

EVELYN DORA GOODSSELL (1927)

*Assistant Professor of Music*

A.B., Carleton College  
A.M., Teachers College, Columbia University  
Graduate study American Conservatory of Music, Iowa State  
Teachers College, Teachers College of Columbia University

DORINE GUTHRIE (1946)

*Instructor in Mathematics*

A.B., University of Oklahoma  
A.M., University of Oklahoma

JOHN PAUL GRUBER (1927)

*Assistant Librarian*

A.B., University of Indiana  
Graduate study University of Wisconsin, State College of  
Washington, University of Washington

MARIE DOOSE HAAS (1930)

*Assistant Librarian*

A.B., Eastern Washington College of Education  
B.A.L., University of Washington  
Graduate study University of Southern California

BENEDICT TRIGVI HALLGRIMSON (1946)

*Instructor in Music*

Mus.B., University of Washington  
Graduate study University of Washington

FLORENCE ANNA HEISLER (1943)

*Director of the Psychological Clinic and Associate Professor of Education*

B.S., New York University  
M.A., New York University  
Ph.D., New York University

CHARLOTTE PHILLIPINE HEPPELLE (1946)

*Instructor in Modern Languages*

B.M., University of Washington  
Graduate study University of Minnesota, University of Puerto Rico

CHARLES ALBERT HERRING (1946)

*Instructor in English*

A.B., University of Iowa  
A.M., University of Iowa  
Graduate study Stanford University

ALICE HITCHCOCK (1946)

*Instructor in Elementary Education*

A.B., University of Minnesota  
 B.S., University of Minnesota  
 A.M., University of Minnesota  
 Graduate study University of Minnesota

HJALMAR EDWIN HOLMQUIST (1923)

*Director of Publications and Assistant Professor of Journalism*

A.B., Stanford University  
 Graduate study University of Washington

JOSEPH WYNNE HUNGATE (1905)

*Head of the Division of Applied Sciences and Arts and Professor of Biology*

A.B., State College of Washington  
 M.S., Cornell University  
 Graduate study and research University of Washington, University of California

WALTER WHITFIELD ISLE (1945)

*President*

A.B., University of Oklahoma  
 A.M., Teachers College, Columbia University  
 Ed.D., Stanford University

LOUISE ALICE JOHNSTON (1946)

*Instructor in Elementary Education*

B.S., Black Hills Teachers College  
 M.Ed., University of Colorado

CEYLON SAMUEL KINGSTON (1901)

*Emeritus Vice-president and Emeritus Professor of History and the Social Studies*

A. B., St. Lawrence University  
 A.M., University of Michigan  
 LL.D., State College of Washington  
 Graduate study and research Columbia University, University of Washington

JAMES SIDNEY LANE (1923)

*Superintendent of Building and Grounds and Assistant Professor of Industrial Education*

B.S., Oregon State College  
 M.S., Oregon State College

CHARLOTTE CHRISTINE LANG (1922)

*Assistant Professor of Elementary Education*

B.S., Teachers College, Columbia University  
 A.M., Teachers College, Columbia University  
 Graduate study Teachers College, Columbia University



MARIAN ALICE LAWTON (1922)

*Assistant Professor of Music*

A.B., State College of Washington  
Mus. B., State College of Washington  
A.M., Stanford University  
Graduate study Chicago Musical College, Eastman School of Music  
of the University of Rochester

ALBERT PHILLIP LUDWIG (1939)

*Head of the Division of History and Social Studies and Professor of  
History and Sociology*

A.B., Oberlin College  
A.M., University of California  
Ph.D., University of California

MARGARET 'GENE MCALLISTER (1946)

*Instructor in English and Speech*

A.B., Whitman College  
Graduate study Whitman College, University of Washington

MARGARET EULALIA MCGRATH (1928)

*Assistant Professor of Elementary Education*

A.B., University of Minnesota  
A.M., Teachers College, Columbia University  
Graduate study University of Minnesota

MARY ELLEN MILES (1946)

*Instructor in Speech*

A.B., Eastern Washington College of Education  
Graduate study Northwestern University

EUNICE NELSON (1931)

*Dean of Women and Assistant Professor of Economics*

A.B., University of Wisconsin  
A.M., Teachers College, Columbia University  
Graduate study University of California, University of London,  
University of Southern California

EVEUS GENEVIEVE NEWLAND (1937)

*Assistant Professor of Elementary Education*

A.B., Colorado State College of Education  
A.M., Colorado State College of Education  
Graduate study State University of Iowa

MABEL LINNEA PEARSON (1943)

*Instructor in Elementary Education*

A.B., Eastern Washington College of Education  
Graduate study Colorado State College of Education

OMER OTHMAN PENCE (1925)

*Director of Placement and Extension, Dean of Men, and Assistant  
Professor of Mathematics and Science*

A.B., University of Washington  
A.M., University of Washington  
Graduate study University of Washington

ALBERT HAROLD POFFENROTH (1946)

*Assistant Coach and Instructor in Physical Education*

A.B., Eastern Washington College of Education  
Graduate study State College of Washington

WILLIAM BRYAN REESE (1930)

*Director of Athletics and Instructor in Physical Education*

A.B., State College of Washington  
Graduate study State College of Washington, New York University

RUTH JOHNSON RIDDLE (1932)

*Assistant Librarian*

A.B., Eastern Washington College of Education

ROBERT WINN ROGERS (1941)

*Instructor in Biology*

A.B., Eastern Washington College of Education  
Graduate study University of Washington

WILLIAM LLOYD ROWLES (1929)

*Head of the Division of Music and Professor of Music*

Mus.B., Northwestern University  
Mus.M., Northwestern University  
Graduate study Northwestern University, Colorado State College  
of Education

GRACE ELIZABETH SEILER (1946)

*Instructor in English*

B.Ed., Southern Illinois Normal University  
A.B., Washington University  
A.M., Radcliffe College  
Graduate study Harvard University, University of Illinois

GRACE BERNEAL SHINDLER (1945)

*Instructor in Elementary Education*

A.B., Eastern Washington College of Education  
Additional study Eastern Washington College of Education

HAROLD KENNETH STEVENS (1946)

*Instructor in Speech*

A.B., Eastern Washington College of Education  
A.M., Northwestern University

JEAN FERGUSON STEVENS (1943)

*Instructor in Piano and Music Theory*

A.B., Eastern Washington College of Education  
Mus.M., Eastman School of Music, University of Rochester

LULA FRANCES STEVENSON (1946)

*Instructor in Piano*

Mus.B., Cosmopolitan School of Music

EDGAR IRVING STEWART (1942)

*Assistant Professor of History and Social Studies*

A.B., University of Washington  
A.M., University of Washington  
Ph.D., University of California



- MARION HENRY SURBECK (1946)  
*Assistant Dean of Men and Instructor in Physical Education*  
B.S., Central Oklahoma State College  
Graduate study Iowa State University
- MARY GULICK SWERER (1920)  
*Assistant Professor of Art*  
Graduate Pratt Institute  
A.M., Columbia University  
Graduate study Columbia University
- WILLIAM HAROLD TALLYN (1925)  
*Assistant Professor of Chemistry*  
B.S., Shurtleff College  
M.S., University of Illinois  
Graduate study University of Illinois
- BERTHA TAYLOR LINCOLN (1946)  
*Instructor in Economics and Business*  
A.B., Arizona State College  
A.M., Teachers College, Columbia University
- CARRIE LOUISE VANDEVANTER (1944)  
*Instructor in Elementary Education*  
A.B., Colorado State College of Education  
A.M., Colorado State College of Education  
Additional graduate study University of Washington, State  
University of Iowa
- GEORGE WILLIAM WALLACE (1925)  
*Registrar and Associate Professor of Education*  
A.B., State College of Washington  
A.M., State College of Washington  
Graduate study Stanford University, University of Washington
- NAN KATHLEEN WILEY (1936)  
*Assistant Professor of Art*  
Graduate Chicago Academy of Fine Arts  
A.B., University of Oregon  
M.F.A., University of Oregon  
Additional study Academie de la Grande Chaumiere (Paris,  
France), Cranbrook Foundation  
Graduate study University of Southern California
- OBED JALMAR WILLIAMSON (1932)  
*Head of the Division of Education and Psychology and Professor of  
Education*  
B.S., University of North Dakota  
A.M., Teachers College, Columbia University  
Ph.D., Teachers College, Columbia University
- ARTHUR CLINTON WOODWARD (1927)  
*Head of the Division of Physical and Health Education and Professor  
of Physical Education*  
B.S., University of Vermont  
Graduate study Harvard University, University of Illinois,  
University of Southern California

## INDEX

- A cappella choir, 51.  
Academic probation, 76.  
Academic procedures, 75.  
Accreditation of the college, 79.  
Administrative council, 86.  
Administrative boards, officers and assistants, 89.  
Administrator's credentials, 78; elementary principal's, 78; superintendent's, 78  
Admission, to the college, 4; as special students, 81; to extension or correspondence courses, 84.  
Alpha Psi Omega, 68.  
Alpha Sigma, 69.  
Alumni committee, 86.  
Appointment (Placement) office, 85.  
Art courses, 18.  
Arts and sciences (general), 14.  
Associated students, 68.  
Associated women students, 68; scholarship, 74.  
Association for Childhood Education, 69.  
Athletics committee, 86.  
Athletics, teams and facilities, 66.
- Bachelor of arts, 11; in education, 12.  
Bill Babin memorial scholarship, 74.  
Biology courses, 21.  
Board and room, 8.  
Board of trustees, 89.  
Breakage fee, 8.  
Buildings and equipment, 82.
- Calendar, 3.  
Campus and physical plant committee, 86.  
Campus, description of, 82; activities, 67.  
Cap and gown fee, 9.  
Certification to teach: three-year elementary, 76; wartime 77.  
Chemistry courses, 23.  
Classification of students, 76.  
Classroom Teacher Council, 69.  
Clubs, 67.  
College band, 51, 69.  
College Elementary School, 23.  
College orchestra, 51, 69.  
Committees, faculty, 88.  
Contents, table of, 2.  
Convocations and lectures, 70.  
Correspondence courses, 84.  
Courses, 18; aeronautics, 18; art, 18; biology, 21; chemistry, 23; college elementary school, 23; economics and business, 24; education, 27; English, 31; French, 33; general education, 34; geography and geology, 34; German, 37; history, 38; home economics, 42; industrial arts, 44; journalism, 46; librarianship, 47; mathematics, 47; music, 49; philosophy, 52; physical and health education, 53; physical sciences, 58; political science, 59; psychology, 60; sociology, 62; Spanish, 63; speech, 63.  
Credentials, elementary principal's, 78; superintendent's, 78.  
Credits, 75.  
Curriculum committee, 86.  
Curricula, 11; bachelor of arts, 11; bachelor of arts in education, 12; master of education, 14; junior college, 14; arts and sciences, 14; economics and business, 15; pre-dentistry, 15; pre-engineering, 15; pre-forestry, 16; home economics, 16; pre-law, 16; pre-medicine, 17; music, 17; secretarial science, 17.  
Degree and graduation candidacy, 79.  
Directory and personnel, 89.  
Discipline and conduct committee, 86.  
Divisional organization, 85.  
Dormitories, 70; rates and reservations, 71; withdrawals, 71; off-campus living, 72; trailer houses, 72.  
Dramatics courses, 64.  
Dropping of course: See registration changes, 10.  
Earning expenses, 9.  
Economics and business, 15; courses, 24.  
Education courses, 4, 27.  
Electives, 11.  
Elementary principal's credential, 78.  
Ellen H. Richards, 70.  
Employment of students, 9.  
English courses, 31.  
Entertainment and special attractions committee, 86.  
Euphonia, 69; scholarships, 73.  
Excursions and field trips, 36.  
Expenses of students, 5.  
Extension and correspondence courses, 84; credits, 84; fees, 84; time, 84; residence, 84; grades, 84; information, 84.  
Facilities and organization, 82.  
Faculty, 90.  
Faculty committees, 86.  
Faculty organization and welfare committee, 86.  
Fees: late registration, 8; registration changes, 8; withdrawal, 8; board and room, 8; music, 8; graduation, 9; cap and gown, 9; transcript, 9; special students, 9.  
Field trips, 36.  
French courses, 33.  
Freshmen, requirements and admission, 4.  
General education, 34.  
General education and junior college committee, 86.  
Geography and geology courses, 34.  
Geography club, 70.  
German courses, 37.  
Golden Circle, 69.  
Grade point averages, 80.  
Grading scale, 75.  
Graduation candidacy, 79.  
Graduation fee, 9.  
Guidance and counseling, 72; committee, 86.  
Hargreaves library, 82.  
Health and physical education courses, 53; program, 72.  
Health fee, 5.  
History courses, 38.  
History of the college, 88.  
Home economics, 16; courses, 42.  
Honor roll, 80; freshman, 80.  
Honor students, 80.  
Honorary organizations: Golden Circle, 69; Kappa Delta Pi, 68; Key, 68; Scarlet Arrow, 69.  
Honorary service organizations: Intercollegiate Knights, 70; Tawanka, 70;  
Hudson hall, 82.  
Independent study, 80.  
Index, 98.  
Industrial arts courses, 44.  
Industrial education building, 82.  
Infirmary, 82.



- Instruction and scholarship committee, 87.  
Instructional aids, materials committee, 87.  
Instructional staff, 90.  
Intercollegiate Knights, 70.  
International relations committee, 87.  
  
Journal, The, courses for staff, 46.  
Journalism courses, 46.  
Junior college, 14.  
  
Kappa Delta Pi, 68.  
Key, 68, 80.  
Kinnikinick fee, 8.  
  
Laboratory course fees, 5.  
Late registration fee, 8.  
Lectures, 70.  
Librarianship courses, 47.  
Library: description of, 83; fee, 5; staff, 89; committee, 87.  
Load, standard, 75.  
Loan fund, 73.  
Location of college, 82.  
  
Madrigal singers, 69.  
Martin hall, 82.  
Master of education, 14.  
Mathematics courses, 47.  
Men's W club, 68.  
Minimum fees, 5.  
Monroe hall, 82.  
Music: general description, 49, 17; courses in, 49; fees, 8; faculty scholarships, 73; Euphonia scholarship, 73.  
  
Non-matriculated students, 4.  
  
Off-campus service committee, 87.  
Off-campus living, 72.  
Overload, 75.  
  
Parnassus, 68.  
Philosophy courses, 52.  
Physical and health education courses, 53.  
Physical sciences courses, 58.  
Placement office, 85.  
Political science courses, 59.  
Pre-dental, 15.  
Pre-engineering, 15.  
Pre-forestry, 15.  
Pre-law, 16.  
Pre-medicine, 17.  
Press club, 70.  
Probation, 76.  
  
Psychology courses, 60.  
Public relations committee, 87.  
  
Quarter system, 87; summer quarter, 88.  
  
Ralph Earle Tiejie, Junior, memorial scholarship, 73.  
Ratcliffe house, 83.  
Recruitment of teachers committee, 87.  
Registration, 10; dates, 3; penalty, 10; by mail, 10; changes in, 10; changes fee, 8.  
Requirements, 9.  
Residence halls staff, 90.  
Residence requirement, 81.  
  
Scarlet Arrow, 69; achievement award, 74; athletic award, 74.  
Scholarships and awards, 73.  
Secretarial science, 17.  
Senior hall, 82.  
Senior honors, 80.  
Showalter hall, 82.  
Sociology courses, 62.  
Spanish courses, 63.  
Standard load, 75.  
Special education credential, 77.  
Special students, 9, 81.  
Speech courses, 63.  
State board of education, 69.  
Student: activities fee, 5; assistance and incentives committee, 87; welfare and morale committee, 87; living, 70; loan fund, 73; organizations, 67.  
Student teaching, 83; see College elementary school, 23.  
Superintendent's credential, 78.  
Summer quarter, 88.  
  
Tawanka, 70; alumnae scholarship, 74.  
Teacher training committee, 87.  
Testing and orientation, 9.  
Three-year elementary certificate, 77.  
Trailer houses, 9, 72.  
Transcripts of record, 81; fee, 9.  
Transfers, 4.  
  
Vacations, 3.  
Veterans, 4, 66; committee, 87.  
Voice test, 81.  
  
Wartime certificate, 77.  
Withdrawal from college, 8.  
Womens W club, 68.

