Course Description

Division of Life Sciences
Chairman—Dr. Donald J. Obee

Biological Sciences: Dr. Obee, Dr. Fritchman, Mr. Belknap, Dr. Wyllie, Mr. Wood, Dr. Fuller, Dr. Papenfuss, Dr. Hanford.

Home Economics: Mrs. Allison, Dr. Moore

Nursing Education: Miss Miles, Miss Keller, Mrs. Fleming, Mrs. Goodwin, Mrs. Kelly, Miss Fountain, Mrs. Wendell, Mrs. Thomason.

Physical Education: Mr. Smith, Mr. Lewis, Mr. Satterfield, Mr. Connor, Dr. Cooper, Miss Westfall, Mrs. Boyles, Mrs. Farwig, Mr. Houst, Mrs. Anderson.

(38) BIOLOGY

BIOLOGICAL SCIENCES

Lower Division

101-102 General Biology—4 credits Each semester
A general introduction into the study of plant and animal life, with an interpretation of the principles of morphology, physiology, ecology, embryology, and genetics as represented by both types of organisms. Emphasis on the above principles is placed on their relationship to man. This course is recommended for those students taking only a single course in biological sciences. Students taking more than one year of biological science should take Botany and Zoology rather than General Biology. Three lectures, and one 2 hour laboratory period per week.

105 History of Science—2 credits Either Semester
An examination of the nature, methods, and the development of science and the role of science in society. Two lectures per week.

201 General Bacteriology—5 credits First semester
A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Three lectures and two 2-hour laboratory periods a week. Prerequisite: General Chemistry 53-111 and 53-112, Elementary Organic Chemistry 53-207 is recommended.

205 Microbiology—3 credits Second semester
Designed for pre-nursing students. A study of micro-organisms causing infectious diseases and contamination of foods. Principles of sterilization and disinfection are included along with examinations of food, water, blood, milk, and excreta. Two lectures and one two-hour laboratory period per week.

Upper Division

301 Organic Evolution—3 credits Second semester
A survey of the various lines of evidence supporting theories of evolution as reflected primarily in the various classes of the vertebrates. The evolution of body systems in representative vertebrates will be given thorough consideration. Prerequisite: One year of basic biological science courses.

341 General Genetics—4 credits First semester
The facts of heredity, basic and advanced. Three lectures and one three hour laboratory period per week. Prerequisite: A years study in college biology, botany or zoology.

361 Field Biology—4 credits First semester
An introduction to the methods for the investigation of animal and plant
populations and natural communities; methods of animal and plant collection and preservation; emphasis on field identification; emphasis on the life habits or natural history of plants and animals. Two lectures and 2 three hour laboratory periods per week, with much work being done in the field. Prerequisite: one year of college biology, botany, zoology, or any year combination thereof.

421 General Ecology—4 credits
Second semester
A study of the interrelationships between plants and animals as determined by environmental factors. Emphasis will be placed on the composition and behavior of plant and animal communities. Three lectures and one 3-hour laboratory period per week. Prerequisite: one year of General Botany, Zoology, or Biology.

498, 499 Biology Seminar—1 credit
Each semester
A review of current literature on selected topics. Prerequisite: Senior standing and permission of Division Chairman.

(39) BOTANY

101-102 General Botany—4 credits
Each semester
A study of the plant kingdom and its relation to human welfare. The relationship of plants to their environment, the structure of roots, stems, leaves and flowers, reproduction and heredity in plants, and the identification of some common species of local flora observed on field trips is also included. Two lectures and two 2-hour laboratory periods per week.

201 Systematic Botany—4 credits
Second semester
A laboratory field and lecture course. The various systems of classification, and the use of keys and manuals are employed in identifying collected specimens of local flora. Two lectures and two 2-hour laboratory periods per week or equivalent field trips. Prerequisite: General Botany 39-101.

(41) FORESTRY

101 General Forestry—2 credits
First semester
A general survey of the entire field of forestry, the history and social importance of forestry, timber management and propagation of the important trees of the U.S. Two lectures per week.

202 Silvics—2 credits
Second semester
A study of the facts and principles that underlie forest management, the various forms and types of forests and the trees of which they are composed; the basic physiological reaction of trees to light, nutrients, water, etc., and the growth and development of the forest from seed to maturity. Two lectures per week. Prerequisites: General Forestry 41-101 and General Botany 39-102.

(50) ZOOLOGY

101-102 General Zoology—4 credits
Each semester
The fundamentals of animal structure, physiology, adaptations, development, heredity, evolution, and life histories. Two lectures, one examination period, and two 2-hour laboratory periods per week.

107 Human Physiology and Anatomy—4 credits
Second semester
For students in Home Economics and Pre-Nursing. Designed to give a general knowledge of the more important physiological problems and of the

*Fall semester; invertebrates: Spring semester; chordates, ecology, genetics, and evolution.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.
anatomical structure and functions of the human body. Three lectures and two 2-hour laboratory periods per week. Not open for credit to students who have completed General Zoology 50-101 and 50-102.

**Upper Division**

301 **Comparative Anatomy**—4 credits 
Second semester
Dissection and study of representative types of vertebrates, together with lectures and discussions of general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two 3-hour laboratory periods a week. Prerequisite: General Zoology 50-101 and 50-102 or consent of instructor. Offered alternate years with Vertebrate Embryology 50-351.

305 **Entomology**—4 credits 
Second semester
A study of the biology of insects with emphasis on their ecology, classification, morphology, physiology, and control. The course will include practice in collecting and identification of local species. Two lectures and two 3-hour laboratory periods per week. Prerequisite: One semester of Biology or Zoology.

341 **Ornithology**—3 credits 
Second semester
A lecture, laboratory and field course dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and one two-hour laboratory period per week. Prerequisite: one year of college biology, botany, zoology, or any year combination thereof.

351 **Vertebrate Embryology**—4 credits 
Second semester
Details of development of the vertebrate body with emphasis on human embryology in lecture and on chick and pig in laboratory. Two lectures and two three hour laboratories per week. Prerequisite: one year of college biology or zoology. Offered alternate years with Comparative Anatomy 50-301.

401 **Vertebrate Physiology**—4 credits 
First semester
Lectures and laboratory exercises in animal physiology dealing with the basic physiological functions of cells, tissues, and organ systems of vertebrate animals. Prerequisite: General Chemistry 53-111 and 112, General Zoology 50-101 and 102, or General Biology 38-101 and 102. General Physics 63-101 and 102, and Organic Chemistry 53-217 and 218 are recommended. Three lectures and one three-hour laboratory period per week.

421 **Mammalogy**—3 credits 
Second semester
A lecture, laboratory and field course dealing with the classification, identification, structure, distribution, and life habits of mammals. Two lectures and one two-hour laboratory period per week. Prerequisite: one year of college biology, botany, zoology, or any year combination thereof.

**HOME ECONOMICS**

Students may select an area in Home Economics as preparation for homemaking, food management in commercial and educational institutions, nursery school education, home service in the equipment field, clothing and textiles, homemaking education, or commercial positions concerned with the problems of the homemaker.

**Lower Division**

101 **Introduction to Home Economics**—1 credit 
First semester
Designed to acquaint the freshman student with the field of home economics. Emphasis on opportunities in the professional fields, organization of program, choice of vocation, personal qualifications for living and working with people.
103 Clothing—3 credits  
   Application of basic construction principles with commercial patterns. Emphasis is on organization, basic speed techniques, and fundamental fitting as related to the wearer. One hour lecture and two 3-hour laboratory periods per week.

107 Clothing Selection—2 credits  
   Principles of design applied to the selection of line, texture, color in terms of individual figure proportions, need and income. Emphasis is placed upon selection, purchase and care of ready-to-wear apparel, fabrics and accessories.

109 Textiles—3 credits  
   Relationship of raw materials, construction, and finish to quality and cost: identification of fibres, yarns, and fabrics: selection of appropriate fabrics for various uses, considering wearing qualities and care required.

111 Costume Design—2 credits  
   Recognition of basic silhouettes, lines, styles and details of garment construction. Creative expression in fabric interpretation and adaption of costumes and accessories from period research and other sources. Two lectures per week.

201 Introduction to Foods—3 credits  
   Basic principles of food preparation: consideration of factors which will affect quality, nutritive value, and acceptability of foods, such as method of preparation, ingredients used and method of cooking. One hour lecture and two 3-hour laboratory periods per week. Prerequisite: Nutrition 43-207 or permission of the instructor.

203 House Planning—3 credits  
   Basic consideration in house planning; planning for economy, comfort and beauty in house construction. Evaluation of floor plan in terms of family needs, interior and exterior design, materials, costs, methods of construction. Housing in relation to the family and community.

207 Nutrition—3 credits  
   Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Three lectures a week.

Upper Division

303 Advanced Clothing—3 credits  
   Continued study of clothing construction with selection and fitting of commercial basic pattern to the individual. The application of alteration to meet the needs of each student enrolled. Special emphasis on fitting problems and children's clothing. Prerequisite: Clothing 43-103. Recommended: Textiles 43-109.

305 Home Furnishings—3 credits  
   Color and design; selection and arrangement of furniture and furnishings, floor coverings, wall and window treatment, lighting, interior finishes, accessories, china, glass, and silver, flower arrangement. Three lectures per week. Prerequisite: Design and Color Composition 16-105.
Course Description

MEDICAL TECHNOLOGY

(44) MEDICAL TECHNOLOGY

Lower Division

101 Introduction to Medical Technology—1 credit First semester
A brief orientation course designed to acquaint the student with the field of medical technology as a profession.

NURSING

(45) NURSING

Lower Division

101 Fundamentals of Nursing—5 credits First semester
Planned to provide an understanding of the basic needs for normal health. The student is taught nursing care procedures to meet the basic needs for normal health in a hospital environment. Two lectures and three laboratory periods per week.

102 Maternal and Child Health—6 credits Second semester
This course is planned to give an understanding of human reproduction. The family centered approach is used. The student is taught methods of nursing care to make childbirth physically safe and emotionally satisfying to the family. Child growth and development is included. Four lectures and two laboratory periods per week. Prerequisite: Fundamentals of Nursing 45-101.

201 Introduction to Nursing of Disease Conditions—5 credits Summer
This is an introduction to the care of the sick person. It includes basic information about drugs, pathology, and basic mental health needs. Five lectures and five laboratory periods per week. Prerequisites: Maternal and Child Health 45-102.

202 Introduction to Clinical Psychiatry—4 credits Summer
Introduces knowledge of abnormal behavioral patterns and works with the abnormal behavior patterns in a psychiatric hospital environment. This course is taught at State Hospital South, Blackfoot, Idaho. Two lectures and two laboratory periods per week. Prerequisite: Maternal and Child Health 45-102.

203 Nursing in Disease Conditions—10 credits First semester
Planned to provide an understanding of the individual of all ages, his disease conditions and health problems. It includes methods and techniques of nursing care to give comfort and promote health. Five lectures and five laboratory periods per week. Prerequisite: Introduction to Nursing of Disease Conditions 45-201 and Introduction to Clinical Psychiatry 45-202.

204 Nursing in Disease Conditions—9 credits Second semester
Continuation of Nursing 203. Prerequisites: 45-203 and 45-204, Nursing in Disease Conditions. Four lectures and five laboratory periods per week.

205 Nursing Seminar—2 credits Second semester
Discussion of problems relating to the role of the nurse in meeting her nursing responsibilities to the patient, employer, community and herself. Two lectures per week.

PHYSICAL EDUCATION

The Physical Education curriculum, Secondary Education Option, for men and women leading to a Bachelor of Arts degree, is designed to familiarize the student with the various aspects of physical education including athletics, recreation, dance, and certain phases of health and safety. The 128 semester hours required for the Bachelor of Arts Degree includes the General College and Basic Core requirements, Professional Courses in Physical Education (Men—32 semester credits; Women—45 semester credits) and the requirements for Idaho teacher’s certificate.
Boise College

Students majoring in other fields or schools may take a minor in Physical Education (Men—22 semester credits; Women—21 semester credits), or in Coaching (Men—22 semester credits).

REQUIRED PHYSICAL EDUCATION. All students except Veterans are required to have four semester credits of Physical Education activities for graduation from Boise College. Only one credit in each of the athletic participation courses for Men (47-166, 47-167, 47-168, 47-169, and 47-170) will be allowed to fulfill the four semester hours required for graduation lieu of 47-174, 47-175, 47-176, 47-177, 47-187, 47-188, 47-190, 47-191, and 47-192.

Only one semester in each of the following activities is allowed to fulfill the Physical Education Activities requirement: Bowling, Social Dancing, Folk and Square Dancing, Swimming, Skiing and Mountaineering, Gymnastics, Fencing, Badminton, Tennis, Basketball, Archery or Drill Team. All entering freshmen women students are required one semester of Women Basic Physical Education Activities, 47-150.

The college encourages participation in the various leisure and recreational activities. The gymnasium and all its facilities are available for student use. Intra-mural activities are conducted throughout the year in men’s sports and the Physical Education Majors Club offers opportunities in a wide variety of activities. Ski enthusiasts may join the Boise College Ski Club.

(47) PHYSICAL EDUCATION

Lower Division

(Women Activities)

150 Women Basic Physical Education Activities—1 credit. Each semester
Includes fundamental skills, basic movement essential for individual sports, team sports, dancing and the team game Field Hockey. Required of all women students who enter as Freshmen at Boise College. Two hours per week.

151 Physical Education Activities—1 credit Each semester
Choice of activities offered. Team sports include volleyball, basketball, and softball, individual sports are badminton, tennis, archery, fencing, tap dancing, and gymnastics. Two hours per week.

152 Beginning Swimming—1 credit Each semester
Students furnish their own caps, suits, and towels.

153 Intermediate Swimming—1 credit Each semester
Students furnish their own caps, suits, and towels.

157-158 Physical Education Activities—Drill Team—1 credit Each semester
Drills composed of dance steps and arranged in various formations and maneuvers for halftime presentation at football and basketball games. One hour daily.

159 Self-Defense (Women)—1 credit Either semester
The defensive arts are presented in the form of Aikido, teaching coordination of the mind and body, and non-aggressive application of the natural laws of gravity and force.

(Men Activities)

166 Football Participation—1 credit First semester

167 Basketball Participation—1 credit Second semester

168 Baseball Participation—1 credit Second semester

169 Track Participation—1 credit Second semester

170 Wrestling Participation—1 credit First semester

174 Judo—1 credit Either semester

A well regulated and honorable sport based on ancient Japanese methods, a kind of wrestling with special emphasis placed on the throwing arts.
Course Description

175 Self-Defense (Men)—1 credit
The defensive arts are presented in the form of Aikido, teaching coordination of the mind and body, and non-aggressive application of the natural laws of gravity and force.

176 Physical Fitness & Team Sports—1 credit
Touch football, volleyball, basketball, fitness tests, badminton, weight lifting, and softball. Sections meet twice weekly at various hours.

177 Swimming—1 credit
Each semester

(Women and Men Activities)

187 Senior Life Saving—1 credit
Leads to Red Cross Life Saving Certificate. Co-recreational activity.

188 Social Dancing—1 credit
Co-recreational activity.

189 Folk and Square Dancing—1 credit
Co-recreational activity.

190 Bowling—1 credit
Co-recreational activity.

191 Skiing and Mountaineering—1 credit
Co-recreational activity.

192 Defensive Tactics—1 credit
The course consists of physical defense against one or more persons; physical arrest, control, and restraint; familiarization with control devices; definition and application of that force which is reasonable and necessary; individual and group tactics. Prerequisite: Enrollment in pre-professional and professional Criminology programs.

(Physical Education Courses—Co-Educational)

101 Introduction to Physical Education—2 credits
First semester
Designed to give the prospective physical education teacher early training and understanding of what is involved in the profession.

103 Introduction to Recreation—2 credits
Second semester
Designed to acquaint the student with the growth and development of community recreation and the role of community recreation in our present day society.

105 First Aid—2 credits
Second semester
Prevention and treatment of common injuries. Course leads to Standard Red Cross First Aid Certificate.

121 Personal and Public Health—2 credits
Either semester
This course deals with phases of health in which the student can aid in conserving the health of himself, his family and the community. It is concerned with such subjects as nutrition, degenerative diseases, health needs and services, alcohol, family living, and the local health department.

1203, 204 Sports Officiating—2 credits
Each semester
Game administration and the fundamental principles, rules, mechanics and techniques of officiating a variety of sports.

Upper Division

(Physical Education Courses for Men)

306 Gymnastics, Apparatus, and Body Building Techniques—2 credits
Second semester
Techniques and skills of gymnastics and apparatus. Weight training, agility drills and general physical conditioning including safety precautions, equipment and measurement.

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>307</td>
<td>Team Sports Techniques</td>
<td>2</td>
<td>Second Semester</td>
<td>Techniques and skills in a variety of team sports utilized in physical education and community recreation programs.</td>
</tr>
<tr>
<td>308</td>
<td>Individual and Dual Sport Techniques</td>
<td>2</td>
<td>First semester</td>
<td>Techniques and skills in a variety of individual and dual sports in physical education and community recreation programs.</td>
</tr>
<tr>
<td>321</td>
<td>Coaching Football and Wrestling</td>
<td>3</td>
<td>First semester</td>
<td>Individual fundamentals, offensive and defensive team strategy, conditioning athletes for football. Offense and defense in wrestling, equipment and facilities; meets and tournaments; wrestling styles; and conditioning the wrestler.</td>
</tr>
<tr>
<td>325</td>
<td>Coaching Basketball and Baseball</td>
<td>3</td>
<td>Second semester</td>
<td>Methods of coaching offense and defense; styles of play and basketball strategy. Baseball fundamentals including batting, fielding, conditioning and training.</td>
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<tr>
<td>329</td>
<td>Coaching Track and Field and Care of Athletic Injuries</td>
<td>3</td>
<td>First semester</td>
<td>The theory and methods of coaching the various events in track and field and the planning of meets. The prevention and treatment of athletic injuries. Study of modern practices in athletic training.</td>
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<td>331</td>
<td>Dance Techniques</td>
<td>2</td>
<td>Second semester</td>
<td>Fundamentals and advanced techniques in National Folk and American Square Dancing; additional Social Dance techniques. Prerequisite: Social Dancing 47-188 and Folk and Square Dancing 47-189.</td>
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<tr>
<td>351</td>
<td>Kinesiology</td>
<td>3</td>
<td>First semester</td>
<td>A study of the range, quality, and capacities of movement of the human body, analysis of muscular movement in sports activities. Prerequisite: Human Physiology and Anatomy 50-107.</td>
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<tr>
<td>355</td>
<td>Physiology of Exercise</td>
<td>3</td>
<td>Second semester</td>
<td>The effects of muscular exercise and physical conditioning on the circulatory, respiratory, and other physiological processes. Prerequisite: Kinesiology 47-351.</td>
</tr>
<tr>
<td>361</td>
<td>Elementary School Physical Education</td>
<td>2</td>
<td>Either Semester</td>
<td>The study of the physical needs of elementary school children combined with the selection and planning of activities; methods and procedures in the presentation of the physical education program. One hour lecture. One hour laboratory per week.</td>
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<tr>
<td>363</td>
<td>Elementary School Health Education</td>
<td>2</td>
<td>Second semester</td>
<td>A survey of methods and techniques in presenting Health materials. Emphasis on available source materials and the organization of teaching health units for elementary schools. Two hours per week.</td>
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<tr>
<td>451</td>
<td>Correctives</td>
<td>2</td>
<td>Second semester</td>
<td>Survey of common deviations of posture, functional disturbances and crippling conditions found in school children. Consideration of the extent and limitations of the teacher's responsibility for correction or improvement of physical defects.</td>
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<tr>
<td>455</td>
<td>Tests and Measurements</td>
<td>2</td>
<td>Second semester</td>
<td>Testing procedures and standard tests used in physical education activities; the evaluation of physical education activities; physical makeup of examinations and importance of evaluating programs in physical education.</td>
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<tr>
<td>457</td>
<td>Organization and Administration of Physical Education</td>
<td>3</td>
<td>First semester</td>
<td>Study of departmental organization, instructional and recreational programs, supervision of instruction, physical plant, and finance.</td>
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</tbody>
</table>
461 Secondary School Health and Physical Education—2 credits

Designed to give prospective secondary teachers a foundation in school health education and physical education. Healthful school living and instructional programming is emphasized.

(Physical Education Courses for Women)

366 Gymnastics, Apparatus, and Fitness Techniques—2 credits

Fundamental skills for: parallel bars, uneven parallel bars, trampoline and mats. Emphasis on progression of and safety in gymnastics activities. Prerequisite: Lower division Gymnastics and Apparatus activity.

367 Team Sports Techniques—2 credits

Consideration of basic techniques of team sports including skills, rules and strategies, emphasizing coaching procedures and officiating. Prerequisite: Participation in two lower division team sports activities.

368 Individual and Dual Sport Techniques—2 credits

Techniques and skills in Tennis, Badminton, Archery, Fencing and Bowling; organization of types of tournaments. Consideration of theory and coaching of track and field events for women; the planning, and techniques of judging meets.

471 High Organized Games—2 credits

Designed to provide teachers with concise information and tactics essential to seasonal team sports for girls included in secondary school physical education programs. Methods of planning invitational play days, special physical education demonstrations for school and community programs.

Classes on the lawn can enliven a lecture.
Division of Physical Science

Chairman—Dr. Joseph B. Spulnik

Chemistry: Dr. Spulnik, Mr. Dalton, Mr. Emerson, Dr. Hibbs, Mrs. Fritchman, Dr. Peterson, Mr. Stark.

Engineering and Physics: Mr. Dahm, Mrs. Stearns, Mr. Hahn, Dr. Newby

Geology: Dr. Warner

Mathematics: Dr. Buck, Mr. Smartt, Mr. Hunt; Mrs. Winans, Mr. Young, Mr. Walters, Mr. Frederick, Mr. Wenski, Mr. Ott, Dr. Keller.

(53) CHEMISTRY

Lower Division

101-102 Introduction to Chemistry—4 credits Each semester

This course is designed for those students whose interests may lie in fields other than chemistry and engineering. The course deals with fundamental principles of chemistry. First semester—atomic and molecular structure, states of matter, general reactions, and solutions. Second semester—ionization, equilibrium, redox, electrochemistry and an introduction to Organic Chemistry. The second semester also includes introductory, semi-micro, qualitative analysis. Three lectures and one 3-hour laboratory period per week.

105-106 Chemistry for Engineers—4 credits Each semester

Course intended only for engineering majors. A thorough study of the fundamentals and principles of chemistry involving their application to various elements. The second semester includes qualitative analysis on the semi-micro scale. Three lectures and one 3-hour laboratory per week. Prerequisite: high school chemistry.

111-112 General Chemistry—5 credits Each semester

A thorough study of the fundamentals and principles of chemistry involving their application to various elements. The second semester includes qualitative analysis on the semi-micro scale. This course is designed for students majoring in Chemistry, Pre-Medics, Chemical Engineering, Pharmacy and Science. Three lectures and two 3-hour laboratory periods per week. Recitations are included in the laboratory sessions. Prerequisite: high school chemistry.

207-208 Elementary Organic Chemistry—3 credits Each semester

An introductory course covering the fundamental principles and applications of organic chemistry. Designed for those students who do not require an intensive study of chemistry. Two lectures and one 3-hour laboratory per week. Prerequisite: Chemistry 53-102 or 53-112, or 53-116.

217-218 Organic Chemistry—5 credits Each semester

A comprehensive study of organic compounds, the mechanism and theory of organic reactions and the identifications and preparation of aliphatic and aromatic organic compounds. Part of the second semester laboratory work will include an introduction to Organic Qualitative Analysis. Designed to fulfill the requirements of Chemistry majors, Chemical Engineers, and professional and pre-professional students who need a thorough background of Organic Chemistry. Three lectures and two three-hour laboratories per week. Prerequisite: General Chemistry 53-112.

Upper Division

311 Analytical Chemistry—5 credits First semester

Quantitative application of mass and volume relationships and of chemical equilibria to gravimetric and volumetric analysis. Three lectures and two 3-hour laboratory periods per week. Prerequisite: General Chemistry 53-112.

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Course Description

321-322 Physical Chemistry—4 credits Each semester
A study of chemical thermodynamics, reaction kinetics, phase equilibria, electrochemistry, absorption, molecular structure, and quantum theory. Three lectures and one 3-hour lab per week. Prerequisite: General Chemistry 53-112, General Physics 63-102 or Engineering Physics 63-212, and Calculus and Analytic Geometry 59-206 or equivalent.

401-402 Advanced Inorganic Chemistry—2 credits Each semester
The first semester will cover nuclear reactions, atomic and molecular structure, complexions and coordination compounds, oxidation-reduction and acid-base characteristics, and non-aqueous solutions. The second semester discusses the properties of substances and the periodic table interpreted on the basis of atomic and molecular structure. Three lectures per week. Prerequisite: Physical Chemistry 53-321 and 53-322.

411 Instrumental Analysis—4 credits First semester
Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Two lectures and two three hour labs per week. Prerequisite: Analytical Chemistry 53-311.

417, 418 Chemical Preparations—Organic—1 credit Each semester
A course designed to give students practical experience in the preparation of Organic compounds. The student will be assigned a number of compounds to prepare. May be taken either in one semester for 2 credits or in two semesters for 1 credit each semester. Prerequisite: Organic Chemistry 53-218 and Senior standing.

421, 422 Chemical Preparations—Inorganic—1 credit Each semester
A course designed to give students practical experience in the preparation of Inorganic compounds. The student will be asked to prepare a number of compounds. May be taken either in one semester for 2 credits or in two semesters for 1 credit each semester. Prerequisite: Physical Chemistry 53-321 and 53-322 and Senior Standing.

498, 499 Chemistry Seminar—1 credit Each semester
Group discussions of individual reports on selected topics in the various fields of Chemistry. Prerequisite: Chemistry Major and Senior Standing.

(55) ENGINEERING

Lower Division

101 Technical Drawing—2 credits Each semester
A general course for all majors requiring a knowledge of technical drawing procedures and standards. Covers lettering, use of drawing instruments, geometric constructions, orthographic projections, sectioning, dimensioning, pictorial drawings, working drawings and graphic solution of point line and plane problems. Two 2-hour lecture laboratory periods per week.

102 Engineering Graphics and Design—2 credits Second semester
Course designed for engineering majors only. Covers auxiliary views revolution, development, intersections, vectors, graphics, and graphical mathematics including charts, nomographs, empirical equations and graphical calculus. Freehand sketching techniques are included. Two 2-hour lecture laboratory periods per week. Prerequisite: Technical Drawing 55-101.

103-104 Engineering Orientation—2 credits Each semester
A basic orientation to the makeup and characteristics of the profession of engineering and a preview of the nature and organization of an engineering curriculum. Second semester is an orientation to the engineering method of analysis and one half of the semester consists of digital computer programming using fortran. The engineering design process is introduced by means of a team design project. Co-requisite: Freshman Engineering Mathematics 59-111 or higher mathematics.
105 Architectural Drafting—2 credits  
Course primarily for Architectural Design majors. Covers elements of Architectural drawing such as plot plans, floor plans, elevations, sections and structural details; wiring, heating and piping diagrams and material cost estimating. Two 2-hour lecture laboratory periods per week. Prerequisite: Technical Drawing 55-101.

203 Mechanics (Statics)—2 credits  
Composition and resolution of forces; couples; laws of equilibrium; forces in frames, center of gravity; static friction. Course utilizes both conventional and vector methods. Two lectures per week. Co-requisites: Calculus and Analytic Geometry 59-205 and Engineering Physics 63-211.

204 Mechanics (Dynamics)—3 credits  
Area and mass moments of inertia and method of virtual work. Principles of kinetics; velocity and acceleration analysis; work-kinetic energy; impulse and momentum; power in systems of linear and angular motion. Three lectures per week. Prerequisite: Mechanics 55-203.

207 Machine Tool Laboratory—2 credits  
Use of machine tools; theory and practice. One hour lecture, two hours laboratory.

211 Elements of Surveying—2 credits  
Basic surveying for Forestry and other nonengineering majors. Theory or measurements and use of surveying instruments as applied to construction, topographic and land surveying. One recitation and one 3-hour laboratory per week. Prerequisite: Freshman Mathematics 59-102 or Freshman Engineering Mathematics 59-111.

215 Plane Surveying—3 credits  
Theory and use of instruments; errors in measurement; and computations in land surveying; topographic surveying; field astronomy, circular, spiral and vertical curves; and earth work. Two recitations and one 3 hour period of field work and computations per week. Prerequisites: Freshman Mathematics 59-102 or Freshman Engineering Mathematics 59-111.

221 Introduction to Electrical Engineering—3 credits  
Theory of direct current and magnetic circuits. Three lectures per week. Prerequisite: Engineering Mathematics 59-111, accompanied by Engineering Physics 63-211.

(57) GEOLOGY  
Lower Division

101 Physical Geology—4 credits  
An introductory course to acquaint the student with the causes and effects of rock weathering; wind, water and glacial erosion and their depositions; the development of landscapes or topographies; internal forces of the earth. Laboratory periods are devoted to the study of topographic maps of type areas, study of rocks and minerals and field trips to places of geologic interest. Three lectures and one three-hour laboratory per week.

103 Historical Geology—4 credits  
A study of the origin of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. Three lectures and one three-hour laboratory per week.

105 Rocks and Minerals—3 credits  
A systematic study of rock formation and ore minerals, with emphasis on crystal structure and methods of mineral identification. Field trips and laboratory session are a part of the course for those taking the class for credit. Prerequisite: high school chemistry or permission of the instructor.

*This course does not fulfill the requirements for a laboratory science.
(59) **MATHEMATICS**

**Lower Division**

010  Mathematics Review—0 credits  Each semester

Fundamental operations with polynomials and rational fractions, linear equations, and stated problems. For students with little or no algebra.

†101-102  Freshman Mathematics—4 credits  Each semester

Intermediate algebra, trigonometry and analytic geometry. This course is designed for students in fields other than mathematics, physical sciences or engineering. Prerequisite: a year of high school algebra and a year of plane geometry.

103-104  Fundamentals of Modern Mathematics for Elementary Teachers—3 credits  Each semester

Fundamental concepts of mathematics including the study of place value and bases, arithmetic operations, the postulates for the set of real numbers, and fundamental algebraic and geometrical principles. Designed for elementary teachers. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor.

105  Fundamental Concepts in Mathematics—4 credits  Second semester

Development of the number system, number scales, modular numbers, set theory, functions and graphs, algebra of logic, probability and statistics. This course is recommended as a substitute for Freshman Mathematics 59-102 in providing a year sequence for students in education, business or liberal art. It gives an insight into the nature of Mathematics and a treatment of some of the newer topics now being introduced in the schools. Prerequisite: Freshman Mathematics 59-101 or equivalent.

**111  Freshman Engineering Mathematics—5 credits  Each semester**

Selected topics in college algebra together with plane trigonometric with emphasis on the analytic portions of the subject. This course will prepare the student for analytic geometry and calculus. Admission requires the passing of a qualifying examination in algebra given during registration week.

112  Freshman Engineering Mathematics—5 credits  Each semester

Analytic geometry of the straight line, functions, limits, continuity, derivatives of algebraic functions with applications, definite and indefinite integrals. Prerequisite: Freshman Engineering Mathematics 59-111 or the passing of a placement test in algebra and trigonometry.

205  Calculus and Analytic Geometry—4 credits  Each semester

Applications of the definite integral, transcendental functions, methods of integration, determinants and linear equations, an analytic geometry of conics. Prerequisite: Freshman Engineering Mathematics 59-112.

206  Calculus and Analytic Geometry—4 credits  Each semester

Polar and parametric equations, solid analytic geometry, vectors, series. Prerequisite: Calculus and Analytic Geometry. 59-205.

207  Calculus and Analytic Geometry—4 credits  Second semester


†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

**A maximum of 10 semester credits will be allowed for any combination of Mathematics 101, 102, 111, 112.
Upper Division

301-302 Modern Algebra—3 credits Each semester

Integral domains, fields, group theory, vectors, matrices, linear groups, sets, Boolean algebra, rings and ideals. Required of all mathematics majors. Prerequisite: Calculus and Analytic Geometry 59-206.

311-312 Foundations of Geometry—3 credits Each semester

A study of geometry as a logical system with selected topics from Euclidean and non-Euclidean geometry, projective geometry, and topology. Required of all secondary mathematics education majors. Prerequisite: Calculus and Analytic Geometry 59-206.

321-322 Advanced Calculus—3 credits Each semester

The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, complex functions, infinite series. Fourier series. Prerequisite: Calculus and Analytic Geometry 59-206.

331 Differential Equations—4 credits Second semester

Ordinary differential equations with applications to physical sciences and engineering. Prerequisite: Calculus and Analytic Geometry 59-207.

341-342 Probability and Statistics—3 credits Each semester


(61) PHYSICAL SCIENCE

Lower Division

101-102 Introduction to Physical Sciences—4 credits Each Semester

A survey of the physical sciences with man's relation to them. For non-science majors. Three lectures and one 2-hour laboratory period per week.

(63) PHYSICS

Lower Division

101-102 General Physics—4 credits Each semester

Mechanics, sound, heat, light, magnetism, and electricity. This course satisfies the science requirement for the Bachelor of Arts and Bachelor of Science curricula, and may be taken by forestry, pre-dental and pre-medic students. Three lectures and one 3-hour laboratory period per week. Prerequisite: Algebra and Trigonometry or acceptable score on Mathematics Placement Test.

211-212 Engineering Physics—5 credits Each semester

This course is intended for students in the physical sciences and in engineering, and must be preceded or accompanied by calculus. Three 1-hour lectures and two 1-hour recitations and one 3-hour laboratory per week.

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The excitement of Science — tomorrow’s education today.
Division of Social Sciences
Chairman—Dr. John L. Phillips, Jr.

Criminology: Mr. Tipling, Mr. Hopfenbeck.

Education: Chairman — Dr. Dugger, Miss Hoyer, Mr. Hill

History: Chairman — Dr. Caylor, Miss Ourada, Dr. Young, Dr. Lovin, Mr. Smith, Mrs. Armstrong, Dr. Wells, Mr. Wu, Mr. Seward, Mr. Babcock, Dr. Gould.

Library Science: Mrs. Fairchild

Philosophy: Dr. Fung

Psychology: Chairman — Dr. Phillips, Dr. Bronson, Dr. Torbet, Mr. Heacock, Dr. Smith, Mr. Wardell.

Political Science: Mr. Peterson, Dr. Wilson.

Social Work: Mrs. Wilcox

Sociology: Mrs. Dorman, Dr. Collins, Mr. Corbin, Miss Cox.

(67) CRIMINOLOGY

201 Law Enforcement in Modern Society—3 credits Either semester
A study of philosophy, history, objectives, and the functions of law enforcement as an institution; institutional relationship to society; general overview of the administration of justice.

215 Patrol and Communications—3 credits First semester
A lecture course dealing with the patrol function as the fundamental police operation; including organization, administration, and distribution. Communications is viewed as the nervous system of the organization. Prerequisite: Law Enforcement in Modern Society 67-201 or concurrent enrollment.

223 Crime Records—3 credits Second semester
Planned to provide an understanding of a system of recording criminal activities designed to facilitate administration of criminology and to fulfill the needs of law and society. Prerequisite: Law Enforcement in Modern Society 67-201 or concurrent enrollment.

251 Traffic Control and Regulation—3 credits Second semester
Details of control as it is accomplished via traffic enforcement, engineering, education, and vehicle traffic law.

301 Administration of Justice—3 credits First semester

321 Criminal Law—3 credits Second semester
An analysis of the Law of Arrest, Search, and Seizure, and criminal law that effects the enforcement of the tolerance limits of society.

331 Criminal Investigation—3 credits Second semester
Designed to acquaint the student with investigation as it involves the application of the investigative process in criminology, discovery and preservation of evidence, investigative report organization and content of investigative reports, and evidentiary proof of the elements of crime.

351 Police Organization and Management—3 credits First semester
The principles of organization and management that are applied to law enforcement administration. Prerequisite: Law Enforcement in Modern Society 67-201.
Course Description

451 Comparative Law Enforcement Administration  
-3 credits  
Second semester  
An analysis and comparison of law enforcement systems at the Federal,  
State, and local levels, and International systems. Prerequisite: Law Enforce-  
ment in Modern Society 67-201.

435 Vice and Organized Crime—3 credits  
First semester  
The history, cause, nature, and control of vice and organized crime are  
studied. Prerequisite: Law Enforcement in Modern Society 67-201.

(68) EDUCATION

Lower Division

101 Introduction to Education—2 credits  
Each semester  
A general introductory course in education to give the student, as early  
as possible in his preparation for teaching, some familiarity with the teaching  
profession. It deals with the work of the teacher, the fundamental social and  
historical background for teaching, and contrasts the American school system  
with foreign school systems. This course helps the student decide whether or  
not he should become a teacher.

Upper Division

331 Foundations of Education—3 credits  
Second semester  
A study of the historical philosophy and social backgrounds of educa-  
tion as a basis for understanding present practices in public education.

351 Elementary Curriculum and Methods—  
Language Arts—3 credits  
First semester  
Curriculum, materials, and methods of teaching the language arts in the  
elementary school with special attention given the teaching of reading.

352 Elementary Curriculum and Methods—  
Social Studies, Science, Arithmetic—3 credits  
Second semester  
Curriculum, materials, and methods of teaching social studies, science, and  
arithmetic in the elementary school. Prerequisite: Curriculum and Methods—  
Language Arts 68-351.

353 Arithmetic Methods—2 credits  
Summer  
A study of the grade placement of arithmetic content, methods and ma-  
terials of instruction with emphasis on how to bring about insightful learn-  
ing and tools of instruction including concrete and semi-concrete materials.  
Means of evaluating achievement are considered. Offered evenings and sum-  
ners only.

354 Science for Elementary Schools—2 credits  
Summer  
A study of science concepts and information for elementary teachers as  
well as a knowledge of objectives, materials, and methods needed by a teacher  
for preparing learning activities and answering children's questions in a  
functional elementary science program: Emphasizes the psychological pro-  
cesses and learning activities necessary for the development of an individ-  
ual's scientific inquiry abilities. Prerequisite: 8 hrs. lab science and Elementary  
Methods and Curriculum and/or teaching experience. Offered evenings and  
summers only.

355 Teaching of Reading—2 credits  
Summer  
A detailed consideration of the content to be taught and the methods and  
materials to be used in the teaching of reading from kindergarten through  
sixth grade. Investigation of recent research coupled with wide library reading  
and individual research. Prerequisite: Elementary Curriculum and Methods  
or permission of instructor. Offered evening and summers only.

356 Audio-Visual Aids in Education—2 credits  
Each semester  
Motion pictures, graphic materials, filmstrips, lantern slides, field trips  
and auditory aids are among the instructional materials studied in this class  
with practical experience in the operation of the equipment involved.
180  Boise College

357  Language Arts Methods—2 credits  Summer
    A detailed consideration of the scope and nature of an adequate program
    of instruction in language, spelling and handwriting in kindergarten through
    sixth grade. An investigation of recent and pertinent research in the language
    arts and the implications of these research data to modern techniques of teach-
    ing. Prerequisite: Elementary Curriculum and Methods and/or teaching
    experience. Offered evenings and summers only.

359  Social Studies Methods—2 credits  Summer
    A study of methods of teaching the social studies in the elementary school
    with emphasis upon the criteria for the selection of content. A detailed con-
    sideration of objectives; construction and use of units, problem solving and
    methodology including use of concrete experiences, audio-visual materials,
    group processes, questioning, reading and techniques of evaluation. Prerequi-
    sites: Elementary Curriculum and Methods and/or teaching experience. Offered
    evenings and summers only.

361  Workshop in Modern Mathematics
    for Elementary Teachers—3 credits  Summer
    A workshop in modern or contemporary mathematics, its content and
    methods. This course will consist of an examination of the content and
    methodology of a selected mathematics program. Six hours of lecture and 4
    hours of lab per week. The course is limited to experienced teachers.

371  Guidance for the Classroom Teacher—2 credits  Second semester
    A study of the guidance activities normally carried on by the classroom
    teacher. Prerequisite: Introduction to Education 68-101.

380  Secondary School Methods—2 credits  Either semester
    A study of the over-all program of the secondary school with special
    attention given to the methods and materials of instruction. Application
    is made to student's major and minor teaching areas. Students who take a
    special methods course in their major field such as Secondary School Art
    Methods, Methods of Teaching Secondary School English, or Methods of
    Business Education should enroll in this course rather than 68-381. Pre-
    requisite: Educational Psychology 76-325.

381  Secondary School Methods—3 credits  Either semester
    A study of the over-all program of the secondary school with special at-
    tention given to the methods and materials of instruction. Application is
    made to student's major and minor teaching areas. Prerequisite: Educational
    Psychology 76-325.

393  Driver Education—2 credits  Summer
    This course is designed to aid teachers in the instruction of beginning
    drivers, and in the use of dual controlled automobiles. It includes the function-
    ing of the vehicle, its proper operation, and traffic control and safety.

401  Teaching the Gifted Child—3 credits  Evening and Summer
    Problems involved in identification and teaching of gifted children in ele-
    mentary school. Consideration will be given to treatment as part of a normal
    classroom situation as well as one in which children are segregated according
    to ability. Prerequisite: Educational Psychology 76-325.

455  Corrective Reading in the Elementary School—3 credits  Second semester
    A study of reading achievement difficulties of elementary school pupils.
    Prerequisite: Elementary Student Teaching 68-471 or teaching experience and
    a basic course in the teaching of reading.

470  Elementary Student Teaching—3 credits  Summer
    Observation and supervised teaching in the schools of Boise.

471  Elementary Student Teaching—3 credits  First semester
    Observation and supervised teaching in the schools of Boise.

472  Elementary Student Teaching—5 credits  Second semester
    Observation and supervised teaching in the schools of Boise.
481 Secondary Student Teaching—6 credits Either semester
Supervised secondary student teaching in the student's major and minor fields. Prerequisite: Approval of an Application for Student Teaching, recommendation of student's major teaching department, Secondary School Methods 68-381, and Senior standing.

(70) HISTORY

Lower Division

101-102 History of Western Civilization—3 credits Each semester
First semester: Western culture from the earliest times to the Reformation. Second semester: Western heritage from the Reformation to the present.

151-152—United States History—3 credits Each semester
First semester: The history of American civilization from Pre-Columbian days to 1865 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.

298 American Heritage—2 credits Summer
An introductory course to an Eastern seaboard trip to take place during the following summer; provides a survey of the early and contemporary contributions to our American heritage. Historical and governmental sites to be visited include Williamsburg, Washington, D.C., and New York City. The credit allowance in this course is subject to the student's participating in the tour and doing the required work. The course is open on an audit basis for other interested students.

Upper Division

301 Renaissance and Reformation—3 credits First semester
A study of the political, social, economic, religious and cultural developments from 1300 to 1600, with emphasis on the Italian Renaissance and the Church-State relationships. Prerequisite: History of Western Civilization 70-101 and 70-102.

303 The Enlightenment and French Revolution—3 credits Second semester
A survey of Europe in the seventeenth and eighteenth centuries: the age of absolutism, ideas of the philosophies, the crisis in the old regime and revolution. Prerequisite: History of Western Civilization 70-101 and 70-102.

305, 306 Modern Europe—3 credits Each semester
Political, cultural, social, and economic history of Europe from the Congress of Vienna to the present time. The emphasis will be upon the interaction and world leadership of the major European powers. Domestic affairs will be considered as they affect both the individual nations and their relations with other nations. First semester: Europe in the Nineteenth Century. Second semester: Europe and the world in the Twentieth Century. Prerequisite: History of Western Civilization 70-101 and 70-102.

311, 312 History of England—3 credits Each semester
First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1603. Second semester: Great Britain from the seventeenth century to the present. Prerequisite: History of Western Civilization 70-101 and 70-102.

313, 314 History of Russia—3 credits Each semester
First semester: Survey of the origins and development of the Kievan and Muscovite states to the eighteenth century. Second semester: A study of the major cultural and economic institutions as well as the growth of political power by the state from the eighteenth century to the present. Prerequisite: Western Civilization 70-101 and 70-102.

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315, 316 Far East—3 credits
Each semester
A survey of the major powers of the Orient—their internal political and cultural development. Prerequisite: Western Civilization 70-101 and 70-102.

321 Medieval History—3 credits
Second semester
The political, economic and cultural development of Medieval Europe from the fifth to the fourteenth century. Prerequisite: History of Western Civilization 70-101 and 70-102.

351 Colonial America—3 credits
First semester
Background of colonial rivalry in North America, including an investigation of the political organizations, social institutions, economic development, and the war for American independence. Prerequisite: United States History 70-151 and 70-152.

353 Civil War and Reconstruction—3 credits
Second semester
A study of the origins of the conflict between the states, the encounter, and the problems of reunification. Prerequisite: United States History 70-151 and 70-152.

355 Western America—3 credits
First semester
The frontier as a region in transit from the Atlantic seaboard to the Pacific. Emphasis will be given to the migration of people in the Trans-Mississippi West. Prerequisite: United States History 70-151 and 70-152.

357 Idaho and the Pacific Northwest—3 credits
Each semester
Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs, and institutions of Idaho. Prerequisite: United States History 70-151 and 70-152.

359 Twentieth Century America—3 credits
Second semester
Political and social reform, economic development, and culture from 1900 to the present. Prerequisite: United States History 70-151 and 70-152.

†361, 362 Diplomatic History of the United States—3 credits
Each semester
Development of diplomacy from the foundation of the Republic to the present. Attention will be given to the impact of domestic developments upon the formulation of foreign policies. Prerequisite: United States History 70-151 and 70-152.

367, 368 History of the Americas—3 credits
Each semester
First semester: Western Hemisphere nations are studied in the framework of international rivalry in the colonial period as well as patterns in colonization and cultural characteristics. Second semester: A study of the independence movements and the development of Latin America. Consideration is given to the role of the United States in the hemisphere and to current problems of cooperation between American neighbors. Prerequisite: United States History 70-151.

397 The Study and Methods of History—2 credits
First semester
A study of historiography together with the methods of historical research, selection, interpretation, synthesis, and writing. Required for all history majors in the junior year. Open to upper division students in other majors with permission of the instructor.

498 History Seminar—2 credits
Second semester
Study of a selected problem in history. Paper based on research into problem to be prepared and reported to the seminar. Required for History Major, Liberal Arts Option; recommended for History Major, Secondary Education option. Prerequisite: Senior Standing.

(71) LIBRARY SCIENCE

Lower Division

101 Introduction to use of Books and Libraries—2 credits
Either semester
Teaches efficient use of library materials, card catalog, indexes, general

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.
reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshman, sophomores, and new students. Recommended for education majors.

**Upper Division**

301 Library Organization and Administration—3 credits  First semester
An introduction to the development, organization, and management of all types of libraries, with emphasis on the school library and its place in the instructional program.

311 Reference and Bibliography—3 credits  First semester
Introduction to the principles and techniques of reference work; the evaluation and use of basic reference books, indexes, and bibliographies found in school and small public libraries.

321 Basic Book Selection—3 credits  Second semester
Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding.

331 Cataloging and Classification—3 credits  Second semester

(72) **PHILOSOPHY**

**Lower Division**

101 Introduction to Philosophy—3 credits  Each semester
The main problems in philosophy. Selected readings from the works of several major philosophers.

211 Ethics—3 credits  First semester
The development of ethical thought, with the object of deriving a standard for governing individual and social conduct.

221 Logic—3 credits  Second semester
Valid and invalid methods of reasoning with special attention to the function of logic in the methods of science. Prerequisite: Sophomore standing or Introduction to Philosophy 72-101.

(74) **POLITICAL SCIENCE**

**Lower Division**

101 Federal Government—3 credits  First semester
A study of the institutions and processes of the American political system; emphasizing the social, ideological, and constitutional background.

102 State and Local Government—3 credits  Second semester
A study of the institutions and processes of state and local government with emphasis on federalism, legislatures, governors, and reapportionment.

111 International Relations—3 credits  Either semester
A study of the nature of relations among nations with particular reference to contemporary international issues; an analysis of motivating factors including nationalism, imperialism, communism, a study of the problem of national sovereignty and its relation to international cooperation.

211 Model United Nations Study Group—1 credit  Second semester
The study group will deal with practical aspects of the United Nations. The group will meet weekly at the outset, twice weekly as necessary prior to and in preparation for the annual session of the Model United Nations of the Far West which meets in a western city or campus. Boise College will represent an assigned nation at the General Assembly and as a member of U.N. Committees. Members of the study group will be selected by the instructor from students taking political science in first or second semester who
demonstrate an interest by participating in the College’s International Relations Club. The group will be required to prepare a consolidated report on its participation in the Model United Nations following the session. Enrollment is limited to ten students of which at least seven will comprise conference delegation. These students should be prepared to meet part of the moderate cost of transportation to and expenses at the Conference, the College meeting conference fee, and approximately one-half of other expenses.

**Upper Division**

301 **American Politics—3 credits** First semester
Nature and development of American political parties; party organization, structure, leadership, activities, theories, function of party system, responsibilities; attitudes and behavior of public opinion, party and public opinion as influences upon the government. Prerequisite: one semester of Political Science, preferably Federal Government 74-101.

311 **World Politics—3 credits** Second semester
A survey of recent international politics; foreign policies and objectives of the world’s major powers; analysis of current international problems. Theories of international politics. Prerequisite: International Relations 74-111 or Federal Government 74-101.

321 **Comparative Government in Europe—3 credits** First semester
A study of the institutions and processes of major European political systems; England, France, Germany, and the Soviet Union. Prerequisite: Federal Government 74-101 or International Relations 74-111.

322 **Comparative Government in the Western Pacific—3 credits** Second semester
Social, economic and political history of China, Japan, Korea, and Southeast Asia. Includes development of Russia as an Asiatic power, as well as the role of Western powers in the Far East. Influence of Communist China. Prerequisite: International Relations 74-111 or Comparative Government in Europe 74-321.

(76) **PSYCHOLOGY**

**Lower Division**

101 **General Psychology—3 credits** Each semester
The first half of an introductory course in psychology. General Psychology 101 and 102 are more concerned with theory and terminology than are the other beginning courses listed in this section. Emphasis in the first semester will be on growth and development, individual differences, motivation, emotion, adjustment, learning perception, and thinking. Recommended preparation: one year of college-level science.

102 **General Psychology—3 credits** Second semester
A fresh look at the traditional problems of psychology. Whereas the approach in the first semester is eclectic, in this semester class work will be concerned primarily with understanding the point of view of a single prominent psychological theorist. Selected supplementary readings will be available. Prerequisite: General Psychology 76-101.

105 **Applied Psychology—3 credits** Each semester
A study of the application of psychological principles to selected activity areas, such as business, education, military, medicine, law enforcement, etc. The course is designed especially for those students whose majors lie outside the behavioral sciences.

210 **Human Growth and Development—3 credits** Each semester
A survey of significant factors in development from conception through adolescence. Consideration is given to normal patterns of maturation and adjustment. Major constitutional and environmental adjustment problems will also be presented. The course is intended for those who wish to study the general factors in child and adolescent development, not for psychology or education majors. Students may not earn credits in this course and in Child Psychology 76-311 and Adolescent Psychology 76-312.
Upper Division

301 Abnormal Psychology—3 credits
A descriptive approach to the study of the etiology, development, and
dynamics of behavioral disorders, together with a review of current preventive
and remedial practices. Prerequisite: General Psychology 76-101 and 76-102.

305 Statistical Methods—3 credits
First semester
Statistical concepts and methods commonly used in treatment of data in the
Social Sciences. Topics covered will include: measures of central tendency
and of variability, correlation measures, probability, and simple analysis of
variance.

311 Child Psychology—3 credits
First semester
A study of development and adjustment from conception to adolescence.
Consideration will be given to both constitutional environmental factors, to
normal growth patterns, and to problem areas. Students may not earn credits
in this course and in Human Growth and Development 76-210. Prerequisite:
General Psychology 76-101.

312 Adolescent Psychology—3 credits
Second semester
Chronologically a continuation of Child Psychology 76-311; the course
will emphasize the special conditions of adolescent growth and adjustment.
Consideration will be given to maturational and social patterns, and to be-
behavioral, learning, and other problem areas. Students may not earn credits
in this course and in Human Growth and Development 76-210. Prerequisite:
General Psychology 76-101.

321 Experimental Psychology—4 credits
Second semester
The application of scientific methodology to the study of behavior. De-
sign of experiments; methods of analysis and interpretation of data; re-
porting of behavioral research. Two lectures and two two-hour laboratory
periods per week. Prerequisite: General Psychology 76-101 and Statistical
Methods 76-305.

325 Educational Psychology—3 credits
Each semester
A critical examination of some psychological concepts that have relevance
to the process of education. Prerequisite: General Psychology 76-101.

331 Social Psychology—3 credits
Each semester
A study of social factors affecting individual behavior; acculturation; con-
formity and non-conformity; social influence on decision-making, attitudes
opinions, inter-personal relations. This course may be used as a Psychology
or Sociology credit. Prerequisite: General Psychology 76-101, and Introduction
to Sociology 78-101.

341 Perception—3 credits
First semester
A survey of the basic concepts in the psychology of perception, including
a review of the finds of present day research on the receptor processes. Pre-
requisite: General Psychology 76-101.

351 Personality—3 credits
Second semester
A study of the major contemporary theories and concepts of personality.
Prerequisite: General Psychology 76-101.

421 Psychological Measurement—3 credits
Second semester
An introduction to the theory and nature of psychological measurement
together with a survey of types of psychological tests currently used. Pre-
requisite: Statistical Methods 76-305.

431 Social Psychology—3 credits
First semester
Social factors affecting individual behavior; formation and change of
attitudes; social and cultural effects on individual cognitions; effects of
leadership on members of groups and organizations. This course may be
used as a Psychology or Sociology credit. Prerequisite: General Psychology
76-101 and Introduction to Sociology 78-101.

441 Learning—3 credits
First semester
Fundamental concepts of learning, with emphasis on recent developments
in the field. Topics to be covered include: conditioning, rote learning, prob-
lem solving, memory, discrimination, and motor skills. Prerequisite: General
Psychology 76-101, Statistical Methods 76-305, and Experimental Psychology
76-321.
461 Psychological Systems—3 credits  Second semester
  Major theoretical formulations of the past and present. Prerequisite:
  Senior standing in psychology.

(77) SOCIAL WORK

301-302 Social Welfare—3 credits  Each semester
  An introduction to welfare as a social institution, emphasizing the pur-
  poses, philosophy and problems in both public and voluntary welfare pro-
  grams and their relationship to the organization and social change of society.
  Prerequisite: Introduction to Sociology 78-101.

401-402 Fields of Social Work—3 credits  Each semester
  An introduction to social work as a profession, the various social work
  agencies and the methods, values and roles of the social worker. Prerequisite:
  Social Welfare 77-301 and 77-302.

421-422 Field Observation—2 credits  Each semester
  Supervised experience and observation with cooperating public and
  voluntary social work agencies in the Ada County area. Prerequisite: Social
  Welfare 77-301 and 77-302 and enrollment in Fields of Social Work 77-401
  and 77-402.

(78) SOCIOLOGY

101 Introduction to Sociology—3 credits  Each semester
  Introduction to the sociological perspective; analysis of the basic elements
  of human groups and societies; culture, social organization, socialization; in-
  equality, and population.

102 Social Problems—3 credits  Each semester
  Application of the sociological perspective to contemporary problems as-
  sociated with the structure of American society. Prerequisite: Introduction to
  Sociology 78-101 or General Psychology 76-101.

121 Preparation for Marriage and Family Life—2 credits  Each semester
  A study of the factors that are likely to be of some practical help for
  young people in the selection of a marriage partner and in making the necesa-
  ry adjustments of marriage and family life. Open to all college students.

201 Physical Anthropology—3 credits  First semester
  An introduction to the fossil evidence for human evolution, the genetic
  theory of race and race differences, and the study of the social behavior of
  higher primates with its implications for the development of human culture.

202 Cultural Anthropology—3 credits  Second semester
  A study of the growth, structure and change in patterns of human life
  and thought as exhibited throughout the work by man below the level of
  industrial society; emphasizing the diversity as well as the similarity among
  human social adaptations.

298 European Civilization—2 credits  Summer
  An introductory course to a European tour to take place during the follow-
  ing summer months; provides a survey of the geographical, political, his-
  torical, and sociological features of life in Europe, its elements of uniformity
  and diversity and its differences from America. The credit allowances in this
  course is subject to the student's participating in the European tour and
  doing the required work. Maximum credit allowance for the participation in
  the tour and attendance in the course is 6 credits in 16-298 and 78-298 with
  the understanding that not more than 4 can be earned in either field. The
  course is open on an audit basis for other interested students.

299 European Civilization—4 credits  Summer
  An introductory course to a European tour to take place during the fol-
  lowing summer months; provides a survey of the geographical, political, his-
  torical, and sociological features of life in Europe, its elements of uniformity
  and diversity and its differences from America. The credit allowances in this
  course is subject to the student's participating in the European tour and
  doing the required work. Maximum credit allowance for the participation in
  the tour and attendance in the course is 6 credits in 16-298 and 78-298 with
the understanding that not more than 4 can be earned in either field. The course is open on an audit basis for other interested students.

**Upper Division**

**305 Racial and Cultural Minorities**—3 credits  
Second semester  
Analysis of inter-ethnic contacts; with emphasis on the American Negro. The development of racial attitudes; theories relating to causal factors of prejudice and discrimination. Prerequisite: Introduction to Sociology 78-101 or General Psychology 76-101.

**310 Introduction to Archaeology**—3 credits  
Second semester  

**311 Social Research**—3 credits  
Second semester  
An introduction to the empirical basis of modern sociology; methods of research design and the statistical analysis of social data. Prerequisite: Introduction to Sociology 78-101.

**321 American Society**—3 credits  
First semester  

**331 Deviant Behavior and Social Control**—3 credits  
First semester  
An analysis of the forms and causes of social deviancy, how social systems control behavior through the socializing process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology 78-101.

**401-402 Social Theory**—3 credits  
Each semester  
First semester — The history of social thought traced through the major writers and ideas which have contributed to the development of contemporary sociological thinking. Second semester — An analysis of contemporary sociological theories, including exchange theory, structural functionalism and symbolic interactionism. Prerequisite: Introduction to Sociology 78-101.

**415 Juvenile Delinquency**—3 credits  
First semester  
A study of causation, treatment, and control of juvenile delinquency. Prerequisite: Introduction to Sociology 78-101. This course may be used as a Sociology or Criminology credit.

**417 Criminology**—3 credits  
Second semester  
Crime, criminals, and control. Prerequisite: Introduction to Sociology 78-101. This course may be used as a Sociology or Criminology credit.

**421 Social Stratification**—3 credits  
Second semester  
Examination of the theoretical and methodological problems in the study of the wealth, prestige and power distribution of local and national stratification systems; implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: Sociology 78-101.

**425 The Urban Community**—3 credits  
First semester  
An examination of the changing growth, demographic, stratification and institutional structure of urban communities; the causes of urbanization and its consequences for individual and group interaction.

**Lower Division**

**101 Introduction to Geography**—3 credits  
Either semester  
A comprehensive survey of various environments of man in a study of world patterns and major regions with emphasis on the utilization of globes, interpretation and construction of maps. The course introduces basic concepts and techniques used in geography, utilization of natural resources, distribution of population and outstanding problems of each region.

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* A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.
Miss Boise College being congratulated.

Touche!
The Technical Education Building housing the Drafting and Design and Electronics Programs—two of the fastest growing fields in today's technology.