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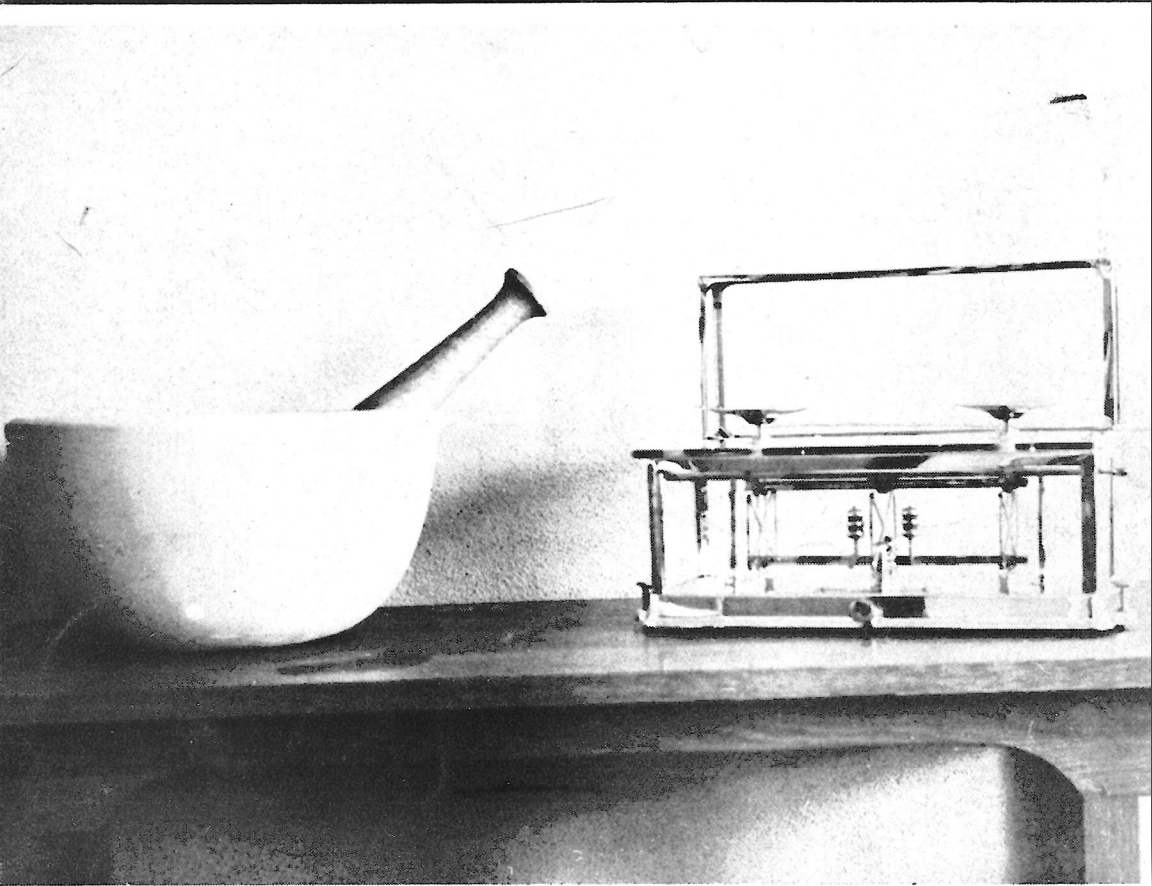
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Pharmacy



SOUTHWESTERN

Institute of Technology

In Southwest Oklahoma



*Southwestern
Institute of Technology*

*Department of
Pharmacy and Chemistry
Bulletin*



*Weatherford, Oklahoma
1946-1947*

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Location and Description

Southwestern Tech is located at Weatherford, Oklahoma, 75 miles west of Oklahoma City, on Highway 66 and on the Memphis-to-Amarillo division of the Rock Island Railway.

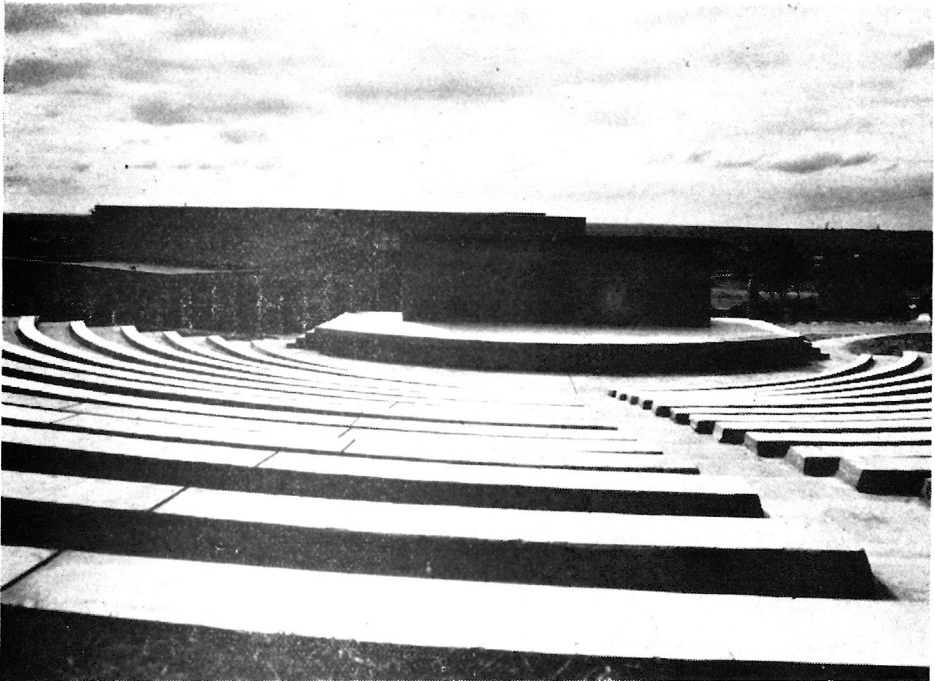
Weatherford, with a population of 2800, maintains its own water system and is served by public utilities which supply electricity and natural gas. The community is progressive; the streets paved; the churches active. A municipal swimming pool adjoining a well-kept park offers recreation during the summer months. An excellent public school system furnishes schooling in the elementary, junior high, and senior high school grades. Both secondary schools are fully accredited with the Oklahoma State Department of Education. In addition to the traditional curricula the high school offers courses in commercial subjects, music, and industrial arts.

The Plant

The campus, consists of 58 acres of sloping ground that rises to the crest of a hill, overlooks Weatherford and the broad valley of Little Deer Creek. From the hill, the prospect is vast and inspiring. A variegated landscape of field and pasture, canyon and gully, extends to the blurred horizon, and a low ridge divides the waters destined for the Red River from those flowing towards the Arkansas.

Thus, the red-and-buff college buildings dominate the country side for many miles in every direction. The most imposing of these is the six-pillared Science Hall. It is the oldest of the campus buildings, having been built in 1909.

The Amphitheatre



To the right of the Science Hall, recessed far back from the oval about which the college buildings are grouped, is the Physical Education building, which was finished in 1926. It has a basketball court, about which are seats for 2,000. Offices, showers, and dressing rooms are adequate for the greater part of the student body, which this building serves.

Northwest of the Physical Education building, an open air auditorium lies in a huge semi-circle. During the summer, it is a center of most campus extra-curricular activities.

Still farther to the right and slightly to the south stands the Library. In addition to the Campbell collection, the personal library of Southwestern's first president, Dr. J. R. Campbell, its stacks include 32,736 books.

Northwest of the Library, in the extreme northwest corner of the campus, is the athletic field. It consists of a newly sodded gridiron, a quarter mile of cinder track, a baseball diamond, and a space for women's athletic events. The whole field is carefully graded and drained so that college sports may proceed no matter what the weather may be. The field house for the use of the athletes is convenient to the field. This building completed in March, 1942, is of native stone construction. It contains locker rooms and showers for the use of athletes and store rooms for the college athletic equipment.

South of the fieldhouse and shaded by luxuriant elms is the President's home.

Northeast of the Science building, stands the Industrial Arts building.

Facing south on College Street are the two college dormitories—the one on the east, Stewart Hall, accommodates 150 girls; the one on the west, Neff Hall, accommodates 100 boys. Both buildings are fire proof even to the venetian blinds; in both, the dormitory activities center about the large living rooms, which are spacious as well as inviting. The sleeping rooms are furnished in maple, are commodious and well lighted. On the first floor of Stewart Hall, the dining hall, occupying one whole wing, will seat 300. The immaculate kitchen, modern in electric dishwashers and mixers, is one of the show places of the campus.

One of the newest buildings is the Y. M. C. A.-Y. W. C. A. building. It was erected in the spring of 1941 with funds which were raised by the "Y" organizations. It is built of native stone and provides an excellent place for the activities of the student Christian organizations.

The administration building is the newest building on the campus, having been completed in 1943. Here the pharmacy department is located. The facilities are of the finest available, including three laboratories, a number of lecture rooms and offices, as well as a special departmental library and a "model" drug store.

Admission Requirements

Students desiring to enter the Division of Pharmacy must present evidence of graduation from a high school accredited by the State Board of Education with satisfactory completion of 15 units. A principal's recommendation is also necessary. In case of deficiencies, a student may, with permission, be admitted on probation with five hours of college work assigned for each unit of deficiency. In addition to the above requirements a candidate for admission to the Division of Pharmacy must be at least 16 years of age and in good health. The candidate should arrange his high school program to include the following subjects which the pharmacy department believes is adequate and desirable for the study of pharmacy.

English 4 Units
Elementary Algebra 1 Unit
Int. Algebra 1 Unit.
Plane Geometry 1 Unit
Science 3 Units
American History 1 Unit
Electives 4 Units

The electives may be chosen from the following: 2, 3, or 4 years of a foreign language, solid geometry, advanced trigonometry, ancient history, European history, free hand or mechanical drawing, shopwork, and social science.

Students whose preparation differs in some particular from the outline will, nevertheless, be given careful consideration if their general qualifications so warrant.

Students will not be admitted to any classes later than two weeks after the beginning of a session.

Administration and Pharmacy Building



Admission to Advanced Standing

A maximum of three years credit will be granted to students who transfer from accredited pharmacy colleges. A maximum of one year credit in non-pharmacy courses will be granted to students who transfer from accredited non-pharmacy colleges, regardless of the amount of work taken. In order to receive a degree in pharmacy the student must complete his fourth year in full residence at Southwestern Institute of Technology.

The Curricula

The Division of Pharmacy offers a four year program leading to a Bachelor of Science degree in Pharmacy. This curriculum is intended to satisfy the Oklahoma State Board of Pharmacy requirements. Students may, with permission, enroll for summer session courses, thus substantially reducing the normal four-year course of study.

Extension Work

Credit for extension work will be given for academic, non-professional subjects only, provided such work has been taken in an accredited college. No pharmacy course credit will be granted for anything but residence work.

Graduation Requirements

Every person upon whom the degree is conferred must be of good moral character, must have successfully completed the assigned course, must have paid all college fees, and must have met the specific requirements pertaining to the degree to be conferred.

Distilled Water for the Manufacture of Drugs



No degree can be conferred upon work done in absentia. To meet the scholastic requirements for the degree of Bachelor of Science in Pharmacy, students must have completed with satisfactory grades courses totaling not less than 124 semester hours and must have earned at least 124 grade points. The aforementioned 124 semester hours much represent a minimum of 3200 clock hours, 1300 of which must be for laboratory work. Students enrolled with advanced standing from other institutions must have earned at least 35 grade points for each year of credit.

Grade points are earned as follows:

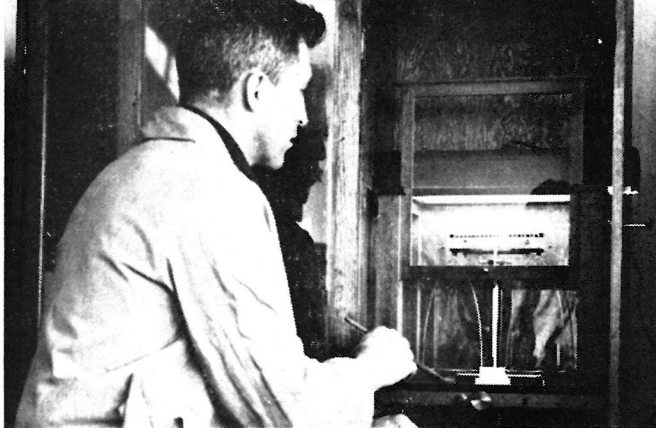
A—3 points a semester hour.

B—2 points a semester hour.

C—1 point a semester hour.

D—0 points a semester hour.

F—0 points a semester hour.



Drug Analysis

In addition to the above requirements all candidates for graduation must present an original dissertation, in duplicate, of not less than 10,000 words. The subject matter of this dissertation must be confined to a technical subject of interest to pharmacy, or of a professional nature of interest to pharmacy. Each senior student will be assigned to a Pharmacy Professor who will supervise the preparation of the dissertation.

Scholarship Requirements

A student, to be advanced to full standing in the class of the next succeeding year, must have satisfactorily completed all of the scheduled work in the preceeding year. The student, however, will be given probationary standing upon completion of at least 80% of the scheduled courses.

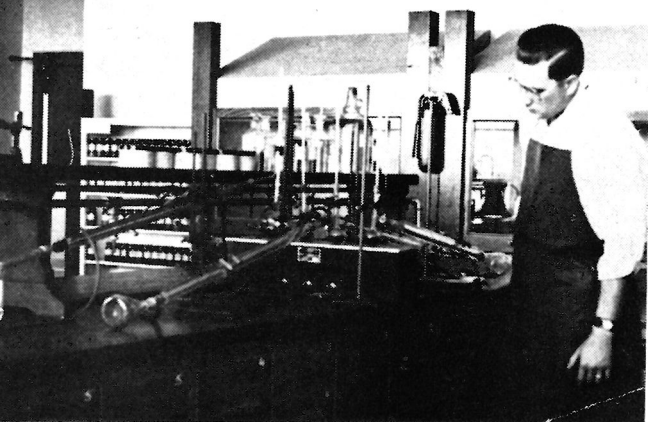
Failure in more than 80% of the scheduled work will require permission from the Dean of the Division of Pharmacy for reinstatement. A student who is on probationary period for two successive semesters will be asked to withdraw from the pharmacy division.

Academic Fees

Student Activity Ticket	\$5.00
Library Fee	1.00
Incidental Fee	5.00
Health	2.00
Physical Exam. (annually)50
Graduation fee	5.00
Changing enrollment50
Late enrollment	1.00
Out of state residents	25.00

In addition to these fees the state has set a laboratory fee of \$.50 per semester hour for those courses which have a laboratory section as part of the course. The fees are used to defray part of the materials cost for the experiments performed in the laboratory. The bulk of the appropriations to cover the cost of the materials used is provided by the state.

Students are asked to purchase laboratory kits which contain many of the utensils needed to work in the laboratory. These kits vary in price from \$10.00



The Synthesis of Drugs in the
Organic Chemistry Laboratory

to \$25.00. They contain many items as spatulas, apothecary and metric weights, which the student can use for his entire collegiate career and most of his professional career.

At the end of each semester there is a check-up of the laboratory equipment issued to each student, and the student is held entirely responsible for that which has been issued to him. The fee for broken or damaged equipment must be paid before the student is allowed to take his semester examinations.

Oklahoma State Board of Pharmacy Examination

A state license is necessary before a pharmacist may become registered in Oklahoma. A Bachelor of Science degree in Pharmacy, certification of the Dean of the Division of Pharmacy, and the signature of two registered pharmacists must be obtained before the student may file application for this examination.

Southwestern Institute of Technology Student Branch of the American Pharmaceutical Association

Every pharmacy student is eligible to join the Southwestern Institute of Technology Student Branch of the American Pharmaceutical Association. This organization meets weekly to discuss the problems in pharmacy that are of interest to future pharmacists. All students are urged to join this organization so that they can become familiar with the workings of American Pharmacy through the oldest national pharmacy organization in the country. The annual dues are \$3.00, one third of which is returned to the local chapter. Each member will receive the Practical Edition of the American Pharmaceutical Association Journal each month and for an additional dollar he can receive the Scientific Edition of the same journal. Each member receives the benefits derived from the Association's membership in the American Institute of the History of Pharmacy.

Tests Given To All Freshman Students

1. English Placement Test.
2. Psychological Test.
3. Reading Test.

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A. M. Keeth.....	Dean of Administration
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Mrs. Charles Addison.....	Dean of Women
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Miss Millie Alexander	Registrar
Miss Virginia Field	Librarian

OFFICERS OF ADMINISTRATION AND FACULTY OF THE
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Frank P. Cosgrove.....	Professor of Pharmacy B. S. in Pharmacy, M. A.
Richard A. Larson.....	Professor of Pharmacology and Pharmacognosy. Ph. Ch., B. S. in Pharmacy, M. S. in Pharmacy

OTHER OFFICERS OF INSTRUCTION GIVING COURSES
REQUIRED FOR PHARMACY STUDENTS

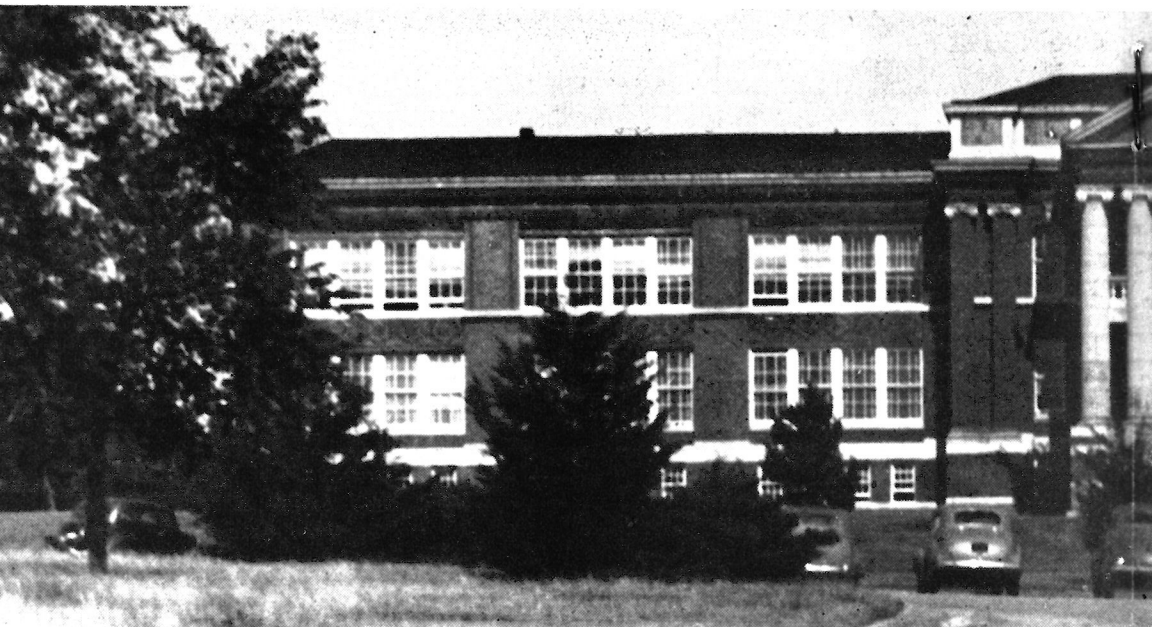
Mrs. Charles Addison.....	Dean of Women and Instructor of Health Education. A. B., M. S.
Helen Davis.....	Acting Head of Biology Department and Associate Professor of Biology. A. B., M. S.
Mattie Driskill.....	Associate Professor of History A. B., M. A.
Ross Flood.....	Instructor in Biology and Wrestling Coach. B. S., M. S.
Grace Jencke.....	Head of the Department and Professor of English, A. B., M. A., Ph. D.
Fern Lowman.....	Instructor in Commercial Subjects B. S., M. A.
Clarence McCormick.....	Head of Department and Professor of Mathematics. A. B., M. A., Ph. D.
Audrey McGolden.....	Head of Physical Education Department for Women and Instructor in Biology and Physical Education, B. S., M. S.
J. R. Pratt.....	Head of the Department and Professor of Physics and Mathematics. A. B., M. A.
Dora Ann Stewart.....	Head of the History and Government Department and Professor of History and Government. A. B., M. A., Ph. D.
Della Whisenhunt	Instructor in English A. B.
Rankin Williams.....	Head of the Department and Professor of Physical Education for Men. A. B.

Freshman Year

FALL SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Algebra 113	Intermediate Algebra	3	3	0	51	0
Botany 115	General Botany	5	3	4	51	68
Chemistry 105	General Chemistry	5	3	4	51	68
English 103	English Composition	3	3	0	51	0
Pharmacy 101	Fundamental Principles and Processes Of Pharmacy	1	2	3	34	51
Physical Education	Physical Education	1	0	1	0	17
TOTAL		18	14	12	238	204
TOTAL CLOCK HOURS—442						

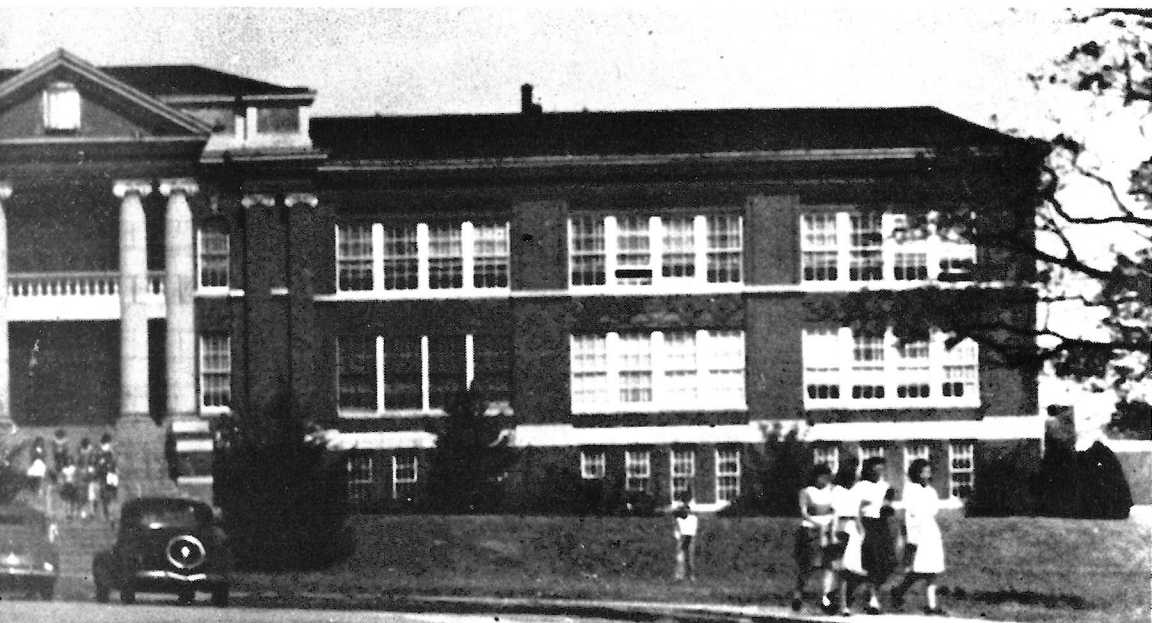
Science



SPRING SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Chemistry 113	General Chemistry (continued)	3	3	2	51	34
English 113	English Composition	3	3	0	51	0
Pharmacognosy 184	Macroscopic and Microscopic Pharmacognosy	4	6	4	102	68
Pharmacy 114	Fundamental Principles and Processes of Pharmacy (continued)	4	4	0	68	0
Physical Education	Physical Education	1	0	1	0	17
Trigonometry 203	Plane Trigonometry	3	3	0	51	0
TOTAL		18	19	7	323	119
TOTAL CLOCK HOURS—					442	

Building



Sophomore Year

FALL SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Chemistry 315	Organic Chemistry	5	4	6	68	102
Economics 203	Economics	3	3	0	51	0
Pharmacy 224	Operative Pharmacy	4	3	4	51	68
Physical Education	Physical Education	1	0	1	0	17
Zoology 125	General Zoology	5	3	4	51	68
TOTAL		18	13	15	221	255

TOTAL CLOCK HOURS—476

SPRING SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Pharmacy 234	Operative Pharmacy	4	3	6	51	102
Physiology 365	Human Physiology	5	3	4	51	68
Chemistry 405	Organic Chemistry	5	4	6	68	102
Hygiene 102	Personal Hygiene	2	2	0	34	0
Physical Education	Physical Education	1	0	1	0	17
TOTAL		17	12	17	204	289

TOTAL CLOCK HOURS—493

Junior Year

FALL SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Physics 104	General Physics	4	3	4	51	68
Chemistry 304	Qualitative Analysis	4	3	6	51	102
Pharmacy 354	Organic Pharmacy	4	3	3	51	51
Typing 203 or Elective	Principles of Typewriting	3	1	4	17	68
Pharmacology 364	General Pharmacology	4	3	2	51	34
TOTAL		19	13	19	221	323
TOTAL CLOCK HOURS—544						

SPRING SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Physics 114	General Physics	4	3	4	51	68
Chemistry 324	Quantitative Analysis	4	4	6	68	102
Bacteriology 415	General Bacteriology	5	3	4	51	68
Pharmacology 374	General Pharmacology	4	3	2	51	34
Accounting 213 or Elective	Elements of Accounting	3	2	2	34	34
TOTAL		20	15	18	255	306
TOTAL CLOCK HOURS—561						

Senior Year

FALL SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Pharmacy 344	Inorganic Pharmacy	4	3	3	51	51
Pharmacy 404	Dispensing Pharmacy	4	2	4	34	68
Pharmacy 442	Pharmaceutical Economics I	2	2	0	34	0
History 302	American History	2	2	0	34	0
Pharmacy 462	Biological Assay	2	2	4	34	68
Elective		4	4	0	68	0
TOTAL		18	15	11	255	187

TOTAL CLOCK HOURS—442

SPRING SEMESTER

Course and No.	Description	College Hours	Lecture Clock Hrs.	Lab. Clock Hrs.	Total Clock Hrs. for Semester	
					Lecture	Laboratory
Pharmacy 414	Dispensing Pharmacy	4	2	4	34	68
Pharmacy 432	Pharmaceutical Jurisprudence	2	2	0	34	0
Government 102	American Government	2	2	0	34	0
Pharmacy 403	Pharmaceutical History, Literature, and Ethics	3	3	0	51	0
Pharmacy 452	Pharmaceutical Economics II	2	2	0	34	0
History 312	American History	2	2	0	34	0
Art 212 or Elective	Commercial Art	2	1	2	17	34
Business 212 or Elective	Business Correspondence	2	2	0	34	0
TOTAL		19	16	6	272	102

TOTAL CLOCK HOURS—374

Course Descriptions

101 PHARMACY

Fundamental Principles and Processes of Pharmacy includes a study of pharmaceutical technique, a practical application of mathematics and physics to pharmacy, and the terminology of the pharmacist. Two hours of lecture and three hours of laboratory per week. Fall semester. Fee \$0.50. Laboratory kit. No prerequisites. Mr. Larson.

114 PHARMACY

Fundamental Principles and Processes of Pharmacy plus a study of the fundamentals of pharmaceutical Latin, and a study of the arithmetical procedures used in pharmacy. Four hours of lecture or recitation per week. Spring semester. No prerequisites. Mr. Larson.

224 PHARMACY

Operative Pharmacy includes a detailed study of the U. S. P. and N. F. preparations with the laboratory preparation of the most important ones. Three hours of lecture and four hours of laboratory per week. Fall semester. Fee \$2.00. Laboratory kit. Prerequisites: Pharmacy 101, 114, Chemistry 105, 113, Mr. Cosgrove.

234 PHARMACY

Operative Pharmacy continued. Three hours of lecture and six hours of laboratory per week. Spring semester. Fee \$2.00. Laboratory kit. Prerequisites: Pharmacy 101, 114, and 224, Chemistry 105, 113. Mr. Cosgrove.

344 PHARMACY

Inorganic Pharmacy includes a study of the nomenclature, status, uses, methods of preparation, preservation, and commercial phases of the pharmaceuticals which are inorganic in nature. The laboratory work consists of the preparation of a number of inorganic drugs official in the U. S. P. and N. F. Three hours of lecture and three hours of laboratory per week. Fall semester. Fee \$2.00. Laboratory kit. Prerequisites: Pharmacy 234. Chemistry 304. Mr. Cosgrove.

354 PHARMACY

Organic Pharmacy includes a study of the organic pharmaceuticals in the same manner that the inorganic pharmaceuticals are studied. Three hours of lecture and three hours of laboratory per week. Fall semester. Fee \$2.00. Laboratory kit. Prerequisites: Pharmacy 234, Chemistry 315, 405. Mr. Cosgrove.

403 PHARMACY

History, Literature, and Ethics of Pharmacy includes a study of the development of the profession of pharmacy and its past and present literature. Three hours of lecture or recitation per week. Spring semester. No prerequisites. Mr. Cosgrove.

404 PHARMACY

Dispensing Pharmacy is devoted to the compounding of prescriptions. During this course the student operates the "Model Pharmacy." Here students receive training tantamount to that of the professional pharmacy. The students are taught how to compound prescriptions, price prescriptions, and take prescriptions over the telephone. Poisonous and narcotic prescriptions are among those handled by the students. Two hours of lecture and four hours of laboratory per week. Fall semester. Fee \$2.00. Laboratory kit. Prerequisites: Pharmacy 344, 354. Mr. Larson.

414 PHARMACY

Dispensing Pharmacy continued. The dispensing and compounding of the more difficult prescriptions are included in this course. The compounding of individual prescriptions to be used in the Student Health Department under the supervision of a registered pharmacist. Two hours of lecture and four hours of laboratory per week. Spring semester. Fee \$2.00. Laboratory kit. Prerequisite: Pharmacy 404. Mr. Larson.

432 PHARMACY

Pharmaceutical Jurisprudence is a study of the laws and regulations pertaining to the practice of pharmacy. Two hours of lecture or recitation per week. Spring semester. No prerequisites. Mr. Cosgrove.

442 PHARMACY

Pharmaceutical Economics I is a study of the principles which underlie the production, marketing, and consumption of drug products. Two hours of lecture or recitation per week. Fall semester. No prerequisites. Mr. Cosgrove.

452 PHARMACY

Pharmaceutical Economics II includes a description and analysis of the operating problems which must be met in the successful conduct of a retail store. Two hours of lecture or recitation per week. Spring semester. No Prerequisites. Mr. Cosgrove.

462 PHARMACY

Biological Assay is devoted to a study of the qualitative and quantitative analysis of drugs by the reactions of living organisms or tissues. It shall include the principles, general laboratory methods, and mathematical interpretation of results, and the assay of specific typical drugs by students under proper supervision. Two hours of lecture and four hours of laboratory per week. Spring semester. Fee \$1.00. Laboratory kit. Prerequisites. Pharmacology 364, 374. Mr. Larson.

Materia Medica

184 PHARMACOGNOSY

Macroscopic and Microscopic Pharmacognosy includes a study of plant drugs, official parts, purity rubrics, botanical sources, etc. Six hours of lecture and four hours of laboratory per week. Spring semester, Fee \$2.00. Laboratory kit. Prerequisite: Botany 115. Mr. Larson.

364 PHARMACOLOGY

A study of the pharmacodynamics, toxicology, and posology of the important pharmaceuticals. Three hours of lecture and two hours of laboratory per week. Fall semester. Fee \$2.00. Laboratory kit. Prerequisites: Pharmacy 224, 234, Physiology 365, Chemistry 105, 113. Mr. Larson.

374 PHARMACOLOGY

A continuation of Pharmacology 364. Three hours of lecture and two hours of laboratory per week. Spring semester. Fee \$2.00 Laboratory kit. Prerequisite: Pharmacology 364. Mr. Larson.

Chemistry

105 CHEMISTRY

General Inorganic Chemistry is an introductory course in chemistry, which includes in the curriculum, a study of valence, equation writing, laws of chemistry, etc. The laboratory sections will devote their time to experimental work on a semi-micro scale. Three hours of lecture and four hours of laboratory per week. Fall semester. Fee \$2.50. Laboratory kit. No prerequisites. Mr. Rivkin.

113 CHEMISTRY

A continuation of Chemistry 105, with special emphasis on the metals and their compounds. Three hours of lecture or recitation and two hours of laboratory per week. Spring semester. Fee \$1.50. Laboratory kit. Prerequisite: Chemistry 105. Mr. Rivkin.

304 CHEMISTRY

Semi-micro Qualitative Analysis includes a study of the laws and theories underlying reactions in solution and practice in the analysis of inorganic compounds and mixtures. Three hours of lecture and six hours of laboratory per week. Fall semester. Fee \$2.00. Laboratory kit. Prerequisite: Chemistry 113. Mr. Rivkin, assisted in the laboratory by Mr. Larson.

315 CHEMISTRY

Organic Chemistry includes a study of the aliphatic compounds with a discussion of the more important compounds, their derivatives, and their application in medicine. Four hours of lecture and six hours of laboratory per week. Fall semester. Fee \$2.50. Prerequisite: Chemistry 113. Laboratory kit. Mr. Rivkin.

324 CHEMISTRY

Quantitative Analysis includes a study of gravimetric and volumetric analysis with the theory underlying these types of procedure. Four hours of lecture and six hours of laboratory per week. Spring semester. Fee \$2.00. Laboratory kit. Mr. Rivkin.

405 CHEMISTRY

Organic Chemistry includes a study of the aromatic compounds in the same manner that the aliphatic compounds are studied in Chemistry 315. Four hours of lecture and six hours of laboratory per week. Spring semester. Fee \$2.50. Laboratory kit. Prerequisites: Chemistry 315. Mr. Rivkin, assisted in the laboratory by Mr. Cosgrove.

103 ENGLISH COMPOSITION

A study of functional grammar designed for students of college level; elements of sentence structure and paragraph structure; precis writing; expository themes. Fall semester, Spring semester. Miss Jencke or Mrs. Whisenhunt.

113 ENGLISH COMPOSITION

Continuation of 103 English with themes, mainly narrative and descriptive; a study of selected specimens of literature. Prerequisite: 103. Fall semester, Spring semester, Summer. Miss Jencke or Mrs. Whisenhunt.

203 PLANE TRIGONOMETRY

Trigonometric functions, equations and identities; solution of triangles, graphic representation. Prerequisite: Algebra 113. Spring semester. Mr. Pratt.

113 ALGEBRA

Rapid review of elementary algebra; quadratic equations. Prerequisite: I unit of high school algebra. Fall semester, Spring semester. Summer. Mr. McCormick.

102 HYGIENE

A survey of practices and habits which affect personal health. Fall semester, Spring semester, Summer. Mrs. Addison.

104 PHYSICS

General Physics includes a study of mechanics, heat, and sound. The laboratory sections will devote their time to practical experimental work governed by these principles. Three hours of lecture and four hours of laboratory per week. Fall semester. Fee \$2.00. Mr. Pratt.

114 PHYSICS

A continuation of course 104 with special emphasis on the study of magnetism, electricity and light. The theory underlying each principle will be discussed along with laboratory experiments of the more important principles. Spring semester. Three hours of lecture and four hours of laboratory per week. Fee \$2.00. Mr. Pratt.

115 BOTANY

The fundamental principles of biology as exemplified in the living plant. Three hours of lecture and four hours of laboratory per week. Fee \$2.50. Fall semester, Spring semester, Summer. Mr. Flood.

125 ZOOLOGY

Selected types of the principal phyla of the animal kingdom; general morphology, life histories, and principles of animal classification. Three hours of lecture and four hours of laboratory per week. Fee \$2.50. Fall semester, Spring semester, Summer. Miss Davis.

365 HUMAN PHYSIOLOGY

An introduction to the structure and functions of the various systems in the human body; a study of respiration, digestion, metabolism, and nutrition; a study of the special senses, internal secretions and muscular and nervous systems. Three hours of lecture and four hours of laboratory per week. Fee 2.50. Spring semester. Miss Davis.

415 GENERAL BACTERIOLOGY

The study of the morphology and classification of the common bacteria, yeast, and molds, and their economic relation to man. Water analysis included. Three hours of lecture and four hours of laboratory per week. Fee \$2.50. Prerequisites: Botany 115, Chemistry 105, and permission of the head of the department. Fall semester. Instructor.

302 HISTORY

A survey course in American History from the discovery of America to 1865. Fall semester, Spring semester, Summer. Miss Stewart.

312 HISTORY

A survey course of American History from the close of the Civil War to the present. Fall semester, Spring semester, Summer. Miss Stewart.

102 AMERICAN GOVERNMENT AND POLITICS

Origin and framework of the federal government; party machinery. Fall semester, Spring semester, Summer. Miss Driskill.

203 ECONOMICS

An introductory course in the presentation of the economic elements in social structure. A study of the principal forces which govern economic behavior. Fall semester. Miss Lowman.

FOR FURTHER INFORMATION

WRITE

DAN RIVKIN

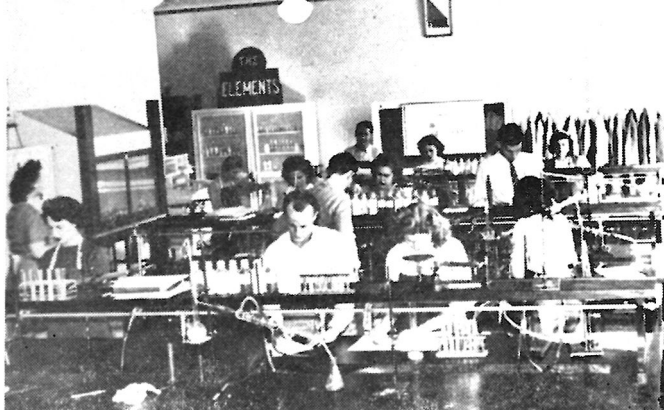
Head, Department of

Pharmacy and Chemistry

Southwestern Institute of Technology

Weatherford, Oklahoma

*The Alumni
Association of the
School of Pharmacy*



Section of the
Pharmaceutical Chemistry Laboratory

The Alumni Association of the School of Pharmacy was organized in April 1946. Until then most of the graduates were in the service and it was not feasible to undertake the organization of such an association with the potential membership spread all over the globe. Most of the graduates have already joined the organization and before 1946 is over the present officers believe all of the graduates will have indicated their intention to become members.

Tentative plans call for an annual meeting at the time the Oklahoma State Pharmaceutical Association holds its convention. At that time all of the graduates will meet for a luncheon and have an opportunity to renew old acquaintances.

One of the
Chemistry Equipment Cabinets

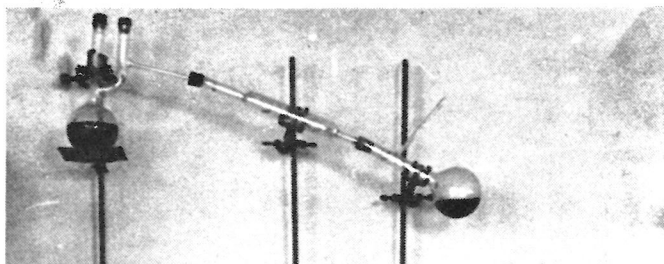
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