



University of Arizona Record

REVISIONS IN BIENNIAL CATALOGUE
FOR THE
ACADEMIC YEARS
1947-48, 1948-49



STATEMENT OF MAILING PRIVILEGE

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GENERAL

SCHOOL OF PHARMACY

Instruction in pharmacy has been organized as a School within the College of Liberal Arts. Work began in September, 1947. The first two years of the course are being offered during the session of 1947-48. The third and fourth years will be provided to begin in 1948 and 1949, respectively. All four years will be in operation during the academic year of 1949-50.

The entrance requirements for the School of Pharmacy are the same as those for entrance to the College of Liberal Arts. Students planning to enter the School of Pharmacy are advised to meet the requirements for entrance under Plan A. Transfer students from other schools must conform to the general requirements of the University of Arizona for such students.

The courses offered and other plans for the School of Pharmacy are designed to provide scientific and professional preparation according to standards required of fully accredited schools and colleges of pharmacy in the United States. The degree of Bachelor of Science in Pharmacy is given on the completion of 130 units as outlined in the course of study.

COURSE OF STUDY LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

Freshman Year

<i>First Semester</i>		<i>Second Semester</i>	
Subject	Units	Subject	Units
English 1a (Composition).....	3	English 1b (Composition).....	3
Chemistry 1a or 2a (General).....	4	Chemistry 1b or 2b (General).....	4
Zoology 4 (General).....	4	Botany 2 (Survey of Plant Kingdom)	4
Pharmacy 1 (Principles and Techniques)	4	Pharmacy 2 (Elementary Phar- maceutical Preparations).....	4
Military Science (Men).....	1	Military Science (Men).....	1
Physical Education.....	1	Physical Education.....	1
Orientation (Women)	1		

Sophomore Year

<i>First Semester</i>	<i>Second Semester</i>
Chemistry 3 (Qual. Anal.)..... 4	Chemistry 4 (Quant. Anal.)..... 3
Chemistry 103a (Gen. Organic).... 4	Chemistry 103b (Gen. Organic).... 4
Pharmacognosy 121a (General)..... 4	Pharmacognosy 121b (General).... 4
Zoology 23 (Mammalian Anatomy and Physiology)..... 4	Zoology 24 (Mammalian Anatomy and Physiology).... 4
Military Science (Men)..... 1	Military Science (Men)..... 1
Physical Education (Women)..... 1	Physical Education (Women)..... 1
17	16

Junior Year

<i>First Semester</i>	<i>Second Semester</i>
Pharmacy 100 (Inorganic Phar- macological Chemistry)..... 4	Pharmacy 106 (Advanced Phar- macological Preparations) . . . 4
Pharmacology 131a (General)..... 4	Pharmacology 131b (General) . . . 4
Bacteriology 107 (General)..... 4	Pharmacy 107 (Qual. Organic Pharmaceutical Chem.)..... 4
Physics 17a (General)..... 4	Physics 17b (General)..... 4
Pharmacy 3a (Orientation)..... 1	Pharmacy 3b (Orientation)..... 1
17	17

Senior Year

<i>First Semester</i>	<i>Second Semester</i>
Pharmacy 110a (Dispensing)..... 4	Pharmacy 110b (Dispensing)..... 4
Pharmacology 132 (Bioassay)..... 3	Pharmacology 135 (Public Health) 3
Pharmacology 134 (Emergencies) 2	Pharmacology 133 (Therapeutics) 3
Pharmacy 111 (Jurisprudence)..... 1	Economics 1b (Introduction) . . . 3
Economics 1a (Introduction)..... 3	Elective 2-4
Elective 2-4	
15-17	15-17

COURSES OFFERED IN THE SCHOOL OF PHARMACY*

- Pharmacy 1. Fundamental Principles and Techniques. (4) I. Bialk
3R, 3L†. Fee, \$5.
- Pharmacy 2. Elementary Pharmaceutical Preparations. (4) II. Bialk
3R, 3L. Fee, \$5.
- Pharmacy 3a-3b. Orientation. (1-1) Yr. Lyman
- Pharmacy 100. Inorganic Pharmaceutical Chemistry.
(4) I. Railsback-Staff
3R, 3L. P, ‡ Pharmacy 2, Chemistry 3. Fee, \$5.
- Pharmacy 106. Advanced Pharmaceutical Preparations. (4) II. Bialk
3R, 3L. P, Pharmacy 2, Chemistry 1b or 2b. Fee, \$5.
- Pharmacy 107. Qualitative Organic Pharmaceutical
Chemistry. (4) II. Railsback
3R, 3L. P, Pharmacy 100, Chemistry 103b. Fee, \$5.
- Pharmacy 110a-110b. Compounding and Dispensing. (4-4) Yr. Bialk
2R, 6L. P, Chemistry 103b, Pharmacy 106, 107. Fee, \$10 each semester.
- Pharmacy 111. Pharmaceutical Jurisprudence. (1) I. Staff

*Note: A breakage deposit of \$2.50 is required in all laboratory courses.

†Indicates 3 hours of recitation, 3 hours of laboratory.

‡Indicates "Prerequisite."

- Pharmacognosy 121a-121b. General Pharmacognosy. (4-4) Yr. Railsback
 3R, 3L. P, Botany 2, Chemistry 1b or 2b. Fee, \$5 each semester.
- Pharmacology 131a-131b. General Pharmacology. (4-4) Yr. Staff
 3R, 3L. P, Chemistry 103b, Zoology 24. Fee, \$10 each semester.
- Pharmacology 132. Bioassay. (3) I. Staff
 1R, 6L. P, Pharmacology 131b. Fee, \$10.
- Pharmacology 133. Pharmaceutical Therapeutics. (3) II. Lyman
 P, Pharmacology 131b.
- Pharmacology 134. Emergencies. (2) I. Lyman
 P, senior standing. Fee, \$2.
- Pharmacology 135. Public Health. (3) II. Lyman
 P, senior standing.
- Individual Studies. The department makes available to qualified undergraduate students opportunity to work individually through Special Problems (2 to 6).

FEES AND EXPENSES

Tuition (page 57): The statement under "Tuition" should be changed to read as follows: "The University of Arizona requires no general tuition fee of students who are citizens of the state of Arizona, and there is no charge for instruction, except for some courses in the School of Music." The rest of the paragraph should be deleted.

Tuition for nonresident students (page 58): Paragraph 1 under Statement 1 should be changed to read as follows: "Every nonresident student carrying 6 or more units, except those registered as graduate fellows, shall be required to pay a nonresident fee of \$150 each semester. Graduate fellows are exempt from the nonresident tuition fee and from laboratory and field-trip fees." This regulation will not apply retroactively to students whose candidacy for an advanced degree has been approved prior to September, 1948.

Residence Fees (page 61): Semester rates for residence in University halls should be changed as follows:

Arizona.....	\$67.50	Papago.....	\$67.50
Cochise.....	67.50	Pima.....	67.50
Gila.....	80.00	Stadium.....	67.50
Hopi.....	67.50	Yavapai.....	72.50
Maricopa.....	67.50	Yuma.....	80.00

These changes should be noted in connection with the "Summary of Minimum Annual Expense for Campus Students" on page 57.

Summer Session Expenses and Fees (page 154): Change statement under "Tuition" to read as follows: "The tuition required of all students is \$6.50 per semester hour of credit for either 5-week term. There is no additional nonresident fee for out-of-state students." Change first paragraph under "Dormitories" to read as follows: "Rooms in Cochise Hall, the men's dormitory, are \$20 per term, per person, two in a room. Rooms in Gila Hall and Yuma Hall, the women's dormitories, are \$24 per term, per person two in a room. Single occupancy, when available, will

cost \$32.50 per term in Cochise Hall and \$40 per term in Gila Hall and Yuma Hall. All students occupy separate beds. A room deposit of \$10 is required of all residents of the dormitories."

GRADUATE COLLEGE

Social Sciences (page 139): Star "Anthropology" as a field in which major work leading to the degree of Doctor of Philosophy is offered, effective for the academic year 1948-49.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

Shell fellowship in mining and geological engineering (page 66, immediately following the "Shell fellowship"): "A fellowship has been granted to the Departments of Mining Engineering and Geology of the College of Mines by the Shell Fellowship Committee for the years 1947-48 and 1948-49 to encourage graduate studies in the field of mining. It carries a stipend of \$1,200 a year and \$300 additional for equipment or field expenses, and is open to properly qualified students who hold the Bachelor of Science degree in Mining Engineering or Mining Geology. Application should be made to the Dean of the College of Mines."

University Graduate scholarships (page 66, following list of fellowships): "A number of scholarships covering the nonresident tuition fee were established by the Board of Regents in 1948. Preference will be given to students with superior undergraduate records who are in need of this financial assistance. Special application blanks for the graduate scholarships may be obtained from the Dean of the Graduate College."

Accountants' award (page 66, immediately preceding the Alpha Kappa Psi scholarship medallion): "The Arizona Society of Public Accountants makes an annual award to the outstanding graduating senior in accounting and has the name of the recipient engraved upon a Master Plaque placed in the office of the College of Business and Public Administration."

The Interfraternity and Panhellenic Council scholarship (page 69, immediately preceding the "Interfraternity scholarship cup"): "A scholarship in the amount of \$500 annually has been made available through the Interfraternity Council and the Panhellenic Council of the University. To be eligible, the recipient must be a graduate of an Arizona high school and a full orphan. The scholarship is open to both men and women students, and is renewable for 4 years. Selections are made on the basis of scholarship, character, and leadership."

Matthias Prescription Pharmacy awards (page 70, immediately following the Legal Textbook award and before the new military award): "The W. C. Matthias Prescription Pharmacy of Tucson offers two prizes each year for attainment in the School of Pharmacy. An award of \$300 will be made to the freshman pharmacy student making the highest grade in the entire pharmacy course in the freshman year. An award of \$200 will be made to the student making the second highest grade in the freshman year."

Distinguished Military Student (page 70, immediately following the new Matthias Prescription Pharmacy award above): "A desig-

nation conferred by the Professor of Military Science and Tactics upon a person who meets qualifications set forth in Memorandum 605-7-1, AF letter 35-87, Departments of the Army and the Air Forces, December 29, 1947."

Distinguished Military Graduate: "A person so designated by the Professor of Military Science and Tactics, under regulations of the above memorandum. Distinguished military graduates are to be announced on the day of graduation from college. The designation of "Distinguished Military Graduate" confers eligibility for a commission in the Regular Army or the Regular Air Force."

Pennington Drug Company award (page 71, immediately preceding the Pepsi Cola scholarships): "The Pennington Drug Company offers an annual award of \$100 to the pharmacy student achieving the greatest proficiency in compounding prescriptions."

Albert G. Post and Esther S. Graham scholarships (page 72, following the Pi Mu Epsilon cup): "Through a bequest by the late Dr. Anita C. Post, the Albert G. Post and the Esther S. Graham scholarships were established in 1939 to provide music scholarships for worthy young men and women of the University of Arizona." [The statement under "Music Scholarships" on page 71 should be deleted.]

University scholarships (page 74): To the present statement the following should be added: "Most of these scholarships will be awarded to residents of Arizona, but a small number of them will be granted to nonresidents. A minimum of one scholarship will be allotted each year to each of the Arizona counties."

Veterans of Foreign Wars scholarship (page 74, immediately preceding the "Women's Press Club cup"): "The Ladies Auxiliary of the Veterans of Foreign Wars of the Department of Arizona offers a scholarship based upon the annual essay contest conducted by the Auxiliary. Participation in the contest is limited to residents of Arizona, and the winner is chosen by the Auxiliary. The scholarship is for one year of study, which may be pursued at the University of Arizona, and will cover the cost of university fees and books to a maximum of \$125 for the year."

DEPARTMENTAL

Agricultural Economics (page 158):

103. Add fee of \$3.

Add: "Individual Studies. The department makes available to qualified undergraduate students opportunity to work individually through Special Problems (1 to 4); and to graduate students through Research (2 to 8) and Thesis (2 to 8)."

Anthropology (page 161):

299a-299b. Add fee of \$5 each semester.

Botany and Range Ecology (page 164):

103. Delete deposit of \$2.

123. Delete deposit of \$2. Add "1949-50," indicating change to alternate-year course.

223. Delete "II." Add "I. 1948-49."

Business Administration (pages 165-166):

- 31a-31b. Change (3-3) to (4-4) and 2R, 3L to 3R, 3L.
- 135 and 163. Delete "1947-48." (Courses offered annually.)
- 165R. Delete "164" as prerequisite.

Civil Engineering (page 169):

- 182. Change \$1 fee to field-trip fee of \$20.

Education (page 173):

- 121a-121b. Change course number to 124a-124b.

Electrical Engineering (page 175):

- 104. Delete fee of \$20.
- 125b. Add "Fee not to exceed \$20 will be collected when field trip is arranged."

English (page 178):

- 5a-5b. Add fee of \$3 each semester.
- 110a-110b. Add fee of \$5 each semester.
- 112. Add fee of \$3.
- 114. Add fee of \$2.
- 120a-120b. Add fee of \$3 each semester.

Horticulture (page 186):

- 105. Delete this course.
- 108. Change (3) to (2) and "3R" to "1R, 2L."
- 122. Change (4) to (3) and "3R, 3L" to "2R, 3L."

Law (page 187):

- 110. Change (3) to (2).
- 130. Change (3) to (2).
- 157. Change "II" to "I."
- 158. Change (2) to (3).
- 166. Change (3) to (2).
- 188. Change to: "193. Taxation I. (2) I." and "194. Taxation II. (2) II."

Mathematics (pages 188-189):

- B and C. Delete these courses.
- 191a-191b. Add "G" to denote graduate credit permitted.

Music (page 193):

- 11 and 12. Delete \$10 fee for these courses.

Physics (page 200), add:

- 202. Advanced Spectroscopy Laboratory. (1) I, II. Blitzer
3L. P, 120a-120b or CR therein. This course may be repeated for credit.

Sociology (page 203), add:

- 100. Education for Marriage. (3) I, II. Klaiiss

Speech (page 206):

- 2b. Delete fee of \$1.50.
- 5. Add fee of \$1.50.

- Add: 113. Public Discussion. (3) I. Sparks
P, 2a-2b.
- 125a-125b. Change to: 125. Argumentation and Debate. Sparks
(3) II.
136. Add "II."
137. Change "II" to "I."
- Add: 169. Speech Correction. (3) II. 1948-49. Lynn
P, 2a, 5.
172. Add "1949-50," indicating change to alternate-year course.

Zoology (page 207), add:

23. Mammalian Anatomy and Physiology. (4) I. Staff
Required of all pharmacy students. Not open to zoology majors.
3R, 3L, P, 4, CR in Chemistry 103a. Fee, \$5.
24. Mammalian Anatomy and Physiology. (4) II. Staff
Required of all pharmacy students. Not open to zoology majors.
3R, 3L, P, 23, Chemistry 103a, CR in Chemistry 103b. Fee, \$5.