

The University Faculty met in the Assembly Room of Lafferty Hall Monday, December 14, 1959, at 4:00 p. m. President Dickey presided. Members absent were: Jacob H. Adler, A. D. Albright *, Philip Austin, R. W. Boughton, Jr., Morris Cierley, Marcia A. Dake, Jesse DeBoer, Bernard Fitzgerald, Lyman V. Ginger, W.A. Heinz, Enno E. Kraehe *, Helen Marshall, L. L. Martin, L. Niel Plummer *, Doris M. Seward, Earl P. Slone, Lawrence Thompson, and Frank J. Welch.

The minutes of the special meeting of November 23 were read and approved.

Prof. C. T. Maney made a report on the 1960 United Fund. Before giving his report Professor Maney presented President Dickey with a plaque in recognition of the University's contribution. Professor Maney pointed out in his report that the per capita gift from employees of the University was very low in comparison with that of a majority of the 16 groups which were solicited. He said that in the past the only basis for estimate of the University contribution had been pledge cards; that in the future the organization would get more information in order to make a more realistic estimate. President Dickey expressed thanks to Professor Maney, on behalf of the University, for his efforts in connection with the United Fund Campaign.

Dr. W.S. Ward, Chairman of the Committee on Student Organizations and Social Activities, presented recommendations from the Committee for the approval of two new organizations. These were (1) the Kentucky Korps and (2) The Inter-Varsity Christian Fellowship. The University Faculty approved both recommendations.

Dean White presented recommendations from the College of Arts and Sciences, covering new courses, dropped courses, and changes in courses. All recommendations were approved by the University Faculty.

I. NEW COURSES

Air Science 42, INDEPENDENT WORK (2-6 credits). New number: 395 A study of an advanced problem on subject area in aeronautical science under the guidance of a departmental staff member. One discussion per week; term paper required. Prereq: Air Science 10a, b, 20a, b, 30a, b; Senior standing; major and 3.0 standing in Air Science.

Botany 501, PLANT PHYSIOLOGY (3-5) (New number) Henrickson-Basic principles of plant physiology: the physiological processes of green plants and the effect of the environment on these processes. Prereq: Bot 1 or 25, Chem 1b or 4 b or equivalents.

Chemistry 115, ELEMENTARY RADIOCHEMISTRY (2). New number: 520 An introductory study of the radioactive elements and other substances involved in nuclear reactions. Lectures, laboratory and discussion, three hours. Prereq: Chem 22 or equivalent.

English 5 (New number, REMEDIAL ENGLISH FOR REMANDED STUDENTS (non-credit) Staff

* Absence explained

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Instruction (normally on a tutorial basis) for upper-classmen who have been referred to the department because of their poor work in English. The student is excused from the course upon proof of proficiency.

English 208 (new number), WRITING OF POETRY (2)
Leary. The theory and practice of the craft of English verse, to develop the student's ability to understand and write poetry.

English 538 (new number), VICTORIAN LITERATURE: 1830-1860
(3) Shine Poets and essayists--Macaulay, Mill, Carlyle, Newman, Tennyson, Mrs. Browning, Browning, Ruskin, and Arnold-- in their historical setting.

English 539 (new number), VICTORIAN LITERATURE: 1860-1900
(3) Shine Poets and essayists--Rossetti, Swinburne, Meredith, Huxley, Pater, Wilde, Davidson, Henley, Stevenson, Housman, Hardy, Kipling, and some others-- in their historical setting.

Geology 204 (new number), LABORATORY IN ENGINEERING GEOLOGY
(1) Mathematics and Astronomy 292 (new number) GALACTIC ASTRONOMY I (3) Consideration of stellar statistics, radio astronomy, galactic rotation, stellar populations, interstellar medium. Prereq: M & A 191, 192 or consent of department.

Mathematics & Astronomy 391 (new number), CELESTIAL MECHANICS
(3) The mechanics of systems of gravitating particles, with emphasis upon the calculation of orbits, theory of perturbations. Prereq: M & A 331.

Mathematics & Astronomy 432 (new number), APPLIED CALCULUS (3)
Fourier series and integrals, Laplace Transform, partial differential equations, matrices, Bessel Functions, complex variables and conformal mapping, vector analysis, and numerical analysis. Prereq: M & A 331.

Mathematics & Astronomy 433 (new number), APPLIED CALCULUS (3)
Continuation of M & A 432.

Mathematics & Astronomy 492 (new number), GALACTIC ASTRONOMY II (3) Study of the content, organization, and evolution of our own and other galaxies. Prereq: Consent of department.

Mathematics & Astronomy 532 (new number), DIFFERENTIAL EQUATIONS
(3) This course consists of a thorough study of the linear differential equation of the second order along with its associated Riccati Equation. Attention is given to equations of the Fuchsian Type and other Classical equations. Eigenvalue problems are considered along with oscillation theory of the second and fourth order linear differential equations. Prereq: M & A 431.

Mathematics & Astronomy 565 (new number), INTRODUCTION TO

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MATRICES (3) The algebra of matrices, linear transformations, determinants of matrices, systems of equations, applications. Prereq: M & A 211

Mathematics & Astronomy 591 (new number), COSMOLOGY I (3) Consideration of observational basis of cosmology, cosmological theories of general relativity, the steady state theory, and kinematic relativity. Prereq: M & A 113 and 211.

Mathematics & Astronomy 592 (new number), COSMOLOGY II, (3) A study of the universe as a complete physical unit. Consideration of the various relativistic models and theory evaluation in the light of current observations. Prereq: M & A 471

Music 104, MUSIC ACTIVITIES IN THE ELEMENTARY SCHOOL (2) I, II, S Nash and Worrel. New Number: 561. The study of music and its contribution to child development. An analysis of instructional materials and the development of criteria for the evaluation of these materials. Advanced studies and activities in rhythms, singing, listening, creativity, and reading music to create a musical environment in the classroom. Open to classroom teachers only. Prereq: Music 4a and 4b or equivalents and consent of instructor.

Physical Education 100-125, Service courses (new number), 1 credit each. May be repeated for a maximum of six credits. Only two credits may count in the minimum degree requirement of 130 credits.

Physical Education 150 (new number), PHYSICAL EDUCATION AND RECREATION ACTIVITIES (2) I Staff - Theory and practice of activities recommended for physical education and recreation programs. Six hours per week laboratory required of all freshman physical education and recreation majors.

Physical Education 151 (new number), PHYSICAL EDUCATION AND RECREATION ACTIVITIES (2) II Staff - Theory and practice of activities recommended for physical education and recreation programs. Six hours per week laboratory required of all freshman physical education and recreation majors.

Physical Education 152 (new number), TECHNIQUES OF SWIMMING (2) I, alternate S Reece A basic course in swimming and diving skills beginning with the intermediate level. To include survival, lifesaving, synchronized and skin diving skills. Four hours per week laboratory. Prereq: special skill test.

Physical Education 250 (new number), PHYSICAL EDUCATION AND RECREATION ACTIVITIES (2) I Staff Theory and practice of activities recommended for physical education and recreation programs. Six hours per week laboratory required of all sophomore physical education and recreation majors.

Physical Education 251 (new number), PHYSICAL EDUCATION AND RECREATION ACTIVITIES (2) II Staff Theory and practice of activities recommended for physical education and recreation programs. Six hours per week laboratory required of all sophomore physical education and recreation majors.

Physical Education 252 (new number), WATER SAFETY LEADERSHIP (2) II, alternate S Reece Leadership training in the teaching of swimming, lifesaving, diving, synchronized swimming, competitive swimming, camp waterfront, beach and pool operation and exhibition. Four hours per week laboratory. Prereq: Senior Lifesaving Certificate (Red Cross) and special skill test.

Physical Education 370, (new number), SAFETY, TRAINING AND FIRST AID (2) I, II Seaton and Hackensmith Prevention and care of injuries common to physical education and recreation activities. Standard A. R. C. certificate in First Aid may be earned. One hour lecture and three hours laboratory.

Physical Education 491 (new number), DANCE IN EDUCATION (4) II Blanton An introduction to the creative approach to dance for elementary, secondary and college levels. The principles of kinesthetics and rhythmical forms applied to the practice of fundamental movement techniques. Two hours lecture and four hours laboratory.

Physical Education 572, KINESIOLOGY AND ITS APPLICATION (4) I Hackensmith A study of basic principles of bodily movement and their application to sports, rhythmical activities and the correction of functional defects. Three hours lecture and two hours laboratory. Prereq: A & P 4 and 5.

Social Work 146a,b, FIELD PARTICIPATION IN CASE WORK (2 each)
New number: 346,347 Experience under supervision in a local case work setting. For senior majors in case work. Prereq or concur: SW 113 and consent of department.

II. DROP THE FOLLOWING COURSES

Botany 103, Plant Physiology
Botany 104, Plant Physiology
Chemistry 111, Advanced Inorganic Laboratory
Chemistry 160a,b, Industrial Chemical Processes and Stoichiometry
Chemistry 164 a,b, Industrial Chemical Principles
English 107a, Victorian Poets
English 107b, Victorian Prose
Geology 20b, Laboratory Work in Elementary Geology
Geology 107e, f, Advanced Field Geology
Geology 105e, f, Independent Work in Geology
Geology 120b, Geology of Kentucky
Hygiene 7, First Aid
Hygiene 104, Maternal and Child Health
Hygiene 118, Vital Statistics
Mathematics and Astronomy 4, Elementary Theory of Statistics
Mathematics and Astronomy 25, Intermediate Calculus

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Mathematics and Astronomy 103, Theory of Equations
 Mathematics and Astronomy 116, Analytical Mechanics
 Mathematics and Astronomy 118, Solid Analytic Geometry
 Mathematics and Astronomy 144d-f, Problem Seminar
 Mathematics and Astronomy 54, Elementary Observations in
 Astronomy
 Mathematics and Astronomy 55b, Elementary Astronomy
 Mathematics and Astronomy 56b, Spherical Astronomy
 Physical Education 1-6, Service Courses
 Physical Education 45, Team Sports for Men
 Physical Education 46, Fall Team Sports for Women
 Physical Education 47, Spring Team Sports for Women
 Physical Education 48, Individual Sports for Men
 Physical Education 49, Individual Sports for Women
 Physical Education 51, Co-Recreational Activities
 Physical Education 52, Swimming and Diving (for men)
 Physical Education 53, Swimming and Diving (for women)
 Physical Education 56, Gymnastics for Men
 Physical Education 57, Gymnastics for Women
 Physical Education 70, Training and First Aid
 Physical Education 72a,b, Intermediate Football
 Physical Education 90, Folk, Tap and Social Dancing
 Physical Education 91, Technique and Procedure of the Dance
 Physical Education 154, Advanced Aquatics (for men)
 Physical Education 155, Advanced Aquatics (for women)
 Physical Education 165, Safety in Physical Education
 Physical Education 172, Kinesiology
 Physical Education 173, Remedial Physical Education
 Physical Education 174, Technique of Rehabilitation
 Physical Education 175, Field Work in Rehabilitation
 Physical Education 185, Commercial Recreation
 Physical Education 191, Rhythmical Forms and Analysis

III CHANGE IN CREDIT AND DESCRIPTION

Music 11a, THEORY I-- THE ELEMENTS OF MUSICAL THEORY, from
 2 to 3 credits New description: A course in the fundamentals
 of musical theory including the elements of sight-singing,
 dictation, rhythm, keyboard, terminology, notation, corrective
 listening and ear training.

Music 11b, THEORY I -- THE ELEMENTS OF MUSICAL THEORY, from 2
 to 3 credits New description: A continuation of Music 11a.

IV. CHANGE IN CREDIT, ONLY

Chemistry 3, CHEMISTRY FOR NURSES, from 5 to 4 credits
 Chemistry 190a-d, INDEPENDENT WORK from 3 each to 1 or 2
 credits, may be repeated for a total of 4 credits.

Mathematics and Astronomy 1, BASIC MATHEMATICS, from 3 credits
 to non-degree credit

Mathematics and Astronomy 2, SOLID GEOMETRY, from 3 credits
 to non-degree credit

Mathematics and Astronomy 3, BASIC GEOMETRY, from 3 credits
 to non-degree credit

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Mathematics and Astronomy 144a-c, PROBLEM SEMINAR, from 2 each to 3 each

Music 19a,b, HISTORY OF MUSIC, from 2 each to 3 each

Physical Education 44, BASEBALL AND SOFTBALL COACHING FUNDAMENTALS, from 3 to 2 credits

Physical Education 144, PHYSICAL EDUCATION IN THE SECONDARY SCHOOL, 3 credits; add: may be repeated by women for a maximum of 6 credits

V. CHANGE IN CREDIT AND PREREQUISITE

Physical Education 60, PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL, from 3 to 2 credits. Prereq: 8 credits in PE courses or consent of instructor.

VI. CHANGE IN DESCRIPTION

Chemistry 30a,b, ORGANIC CHEMISTRY, from Lectures, three hours; lab, four hours. Prereq: Chem 1b or 2b to Lectures, three hours; lab, six hours. Prereq: Chem 1b or 2 b

Chemistry 130a,b, ORGANIC CHEMISTRY, from Lectures, three hours; lab, four hours. Prereq: Chem 1b or 2b to Lectures, three hours; lab, six hours. Prereq: Chem 1b or 2b

Mathematics and Astronomy 51a, DESCRIPTIVE ASTRONOMY, to A non-mathematical course dealing with the earth, moon, solar system, the stars, the galaxy, and the universe at large. Occasional special classes will be held at the observatory. Prereq: None.

Mathematics and Astronomy 55a, ELEMENTARY ASTRONOMY, to A descriptive, non-mathematical account of the solar system, the sun and stars, our galaxy, and the universe at large. For elective credit, non-science requirement. (Credit is not given for both M & A 193 and either 191 or 192) Prereq: None.

Mathematics and Astronomy 56a, SPHERICAL ASTRONOMY, to Application of the formulae for the spherical triangle to a variety of problems on the celestial sphere. Prereq: M & A 112.

Geology 12a, ENGINEERING GEOLOGY, from Two lectures, one laboratory. to Three lectures.

VI. CHANGE IN TITLE, CREDIT AND CONTENT

Music 4a, from PUBLIC SCHOOL MUSIC (2) to MUSIC EDUCATION IN THE PRIMARY GRADES (3) I, II, S Lewis, Nash, Worrel
New description: Methods and materials for the Primary Grades, stressing care of the child voice; rote song singing, selection, and repertoire; rhythmic development; listening and experiences of standard music literature; beginning notation; keyboard and autoharp experiences; classroom observations. For non-music majors or classroom teachers. Three meetings each week.

Music 4b, from PUBLIC SCHOOL MUSIC (2) to MUSIC EDUCATION IN THE INTERMEDIATE GRADES (3) I, II, S Lewis, Nash, Worrel, New description: Methods and materials for the Intermediate Grades. Continuation of activities started in 4a with emphasis upon development of part-singing; minor mode; extended work on keyboard and autoharp experiences; study of typical song series for elementary grades; classroom observations. Prereq: 4a. For non-music majors or classroom teachers. Three meetings each week.

VII. CHANGE IN COURSE NUMBER AND DESCRIPTION

Chemistry 101, ORIENTATION IN MODERN CHEMISTRY FOR TEACHERS (3) to Chemistry 101a,b, ORIENTATION IN MODERN CHEMISTRY FOR TEACHERS (3 each). New number: 402,404

A review of the fundamentals of chemistry and a study of recent developments. The relation of chemistry to various aspects of modern life is considered. Lectures and discussions in the classroom or by Continental Classroom television broadcasts for the 1959-60 school year. Prereq: employment as high school science teacher.

Chemistry 110a,b, ADVANCED INORGANIC CHEMISTRY (2 each) to

Chemistry 110, ADVANCED INORGANIC CHEMISTRY (3). New number: 510 A systematic course in inorganic chemistry with especial emphasis upon the preparation and reactions of various types of inorganic compounds. Lectures, three hours. Prereq: Quantitative analysis and organic chemistry.

Mathematics and Astronomy 37, FUNDAMENTALS OF ELEMENTARY MATHEMATICS (3) to

Mathematics and Astronomy 201 (new number), FUNDAMENTALS OF ELEMENTARY MATHEMATICS (3) A course designed to give teachers an understanding of elementary mathematics. Basic concepts of the number system and the laws of operation. This course is for elementary education majors. Prereq: consent of instructor.

and

Mathematics and Astronomy 202 (new number), FUNDAMENTALS OF ELEMENTARY MATHEMATICS (3) A course designed to give teachers an understanding of elementary mathematics. Selections will be made from: the number system, elementary number theory, algebra, non-Euclidean geometry, finite geometry, topology, matrices. This course is for education majors who are planning to teach at the junior or senior high school level. Prereq: consent of instructor.

Social Work 131, FIELD PRACTICE IN COMMUNITY ORGANIZATION (2) to

Social Work 131a, b, FIELD PRACTICE IN COMMUNITY ORGANIZATION (2 each). New number: 348,349. Experience, under supervision in a local community welfare setting. For senior majors in community organization. Prereq or concur: SW 130a and consent of the instructor.

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VIII. CHANGE FROM UPPER DIVISION TO SOPHOMORE LEVEL

Physical Education 190, HISTORY AND SURVEY OF THE DANCE

IX. CHANGE FROM SOPHOMORE TO UPPER DIVISION LEVEL

Physical Education 486 (new number), ADVANCED DRESSAGE (2)
 Ryen The advanced techniques in equestrian dressage leading
 up to the fundamentals of haute ecole riding. Prereq. 386.
 One hour lecture, two hours laboratory.

X. CHANGE IN TITLE, DESCRIPTION, AND FROM SOPHOMORE TO UPPER DIVISION LEVEL

From 86b, INTERMEDIATE DRESSAGE (1) to 386 (new number),
 APPLIED DRESSAGE (1) - Ryen The principles and practice
 of dressage movements in training for position and collection.
 Prereq: PE 286. Two hours lab.

XI. The Department of Chemistry requests approval to abolish the curriculum in industrial chemistry leading to the degree of Bachelor of Science in Industrial Chemistry.

Dean Shaver presented recommendations from the College of Engineering covering new courses and dropped courses, which were approved by the University Faculty.

COURSES TO BE DROPPED

Applied Mechanics 1- ELEMENTS OF DYNAMICS, 0 credit
 Civil Engineering 202d- ADVANCED REINFORCED CONCRETE STRUCTURES, 3 credits
 Metallurgical Engineering 60- METALLURGICAL LABORATORY AND SHOP PRACTICE, 3 credits
 Metallurgical Engineering 140- THE SCIENCE OF METALS, 3 credits
 Metallurgical Engineering 142- FERROUS METALLOGRAPHY AND HEAT TREATMENT, 3 credits
 Metallurgical Engineering 143a,b- PHYSICS OF METALS, 4 credits, 3 credits
 Metallurgical Engineering 144- NON-FERROUS METALLOGRAPHY AND HEAT TREATMENT, 3 credits
 Metallurgical Engineering 164- ELEMENTS OF LOW TEMPERATURE CARBONIZATION, 3 credits
 Metallurgical Engineering 275e-h- SEMINAR, 1 each (275a-d to remain)
 Electrical Engineering 111- ADVANCED ELECTRICAL LABORATORY, 1 credit
 Electrical Engineering 114L- ALTERNATING CURRENT CIRCUITS LABORATORY, 1 credit
 Electrical Engineering 135L- NETWORKS AND LINES LABORATORY, 1 credit
 Electrical Engineering 162L- RADIO CIRCUITS LABORATORY, 1 credit
 Electrical Engineering 172L- AUTOMATIC CONTROL SYSTEMS LABORATORY, 1 credit
 Electrical Engineering 118- ELECTRICAL POWER PLANT EQUIPMENT, 3 credits
 Electrical Engineering 124- ELECTRICAL DESIGN, 2 credits
 Electrical Engineering 136R- ILLUMINATION ENGINEERING, 2 credits
 Electrical Engineering 136L- ILLUMINATION ENGINEERING LABORATORY, 1 credit
 Electrical Engineering 210- SYMMETRICAL COMPONENTS, 3 credits
 Electrical Engineering 221- ELECTRON BEHAVIOR IN HIGH VACUUM AND GAS TUBES, 3 credits

NEW COURSES

Civil Engineering 356 WATER AND SEWAGE TREATMENT, 3 credits
 Theory of conventional and modified water and sewage treatment plants and their operation, analytical methods used in control and significance of test data. Lecture and recitation, three hours. Prereq: CE 150 (New No. 355)

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Metallurgical Engineering 261 ELEMENTS OF PHYSICAL METALLURGY, 3 credits
Survey of metallurgical processes, phase diagrams, alloy structures and physical properties. Lecture, three hours. Prereq: Chem 1b, Phys 3a.

Metallurgical Engineering 321 MELTING, FABRICATION AND TESTING OF METALS, 3 credits. Conventional foundry operations in aluminum, bronze and cast iron; sand control, arc-furnace refining of steel, vacuum melting of reactive metals; welding, rolling, forging, x-ray radiographic inspection and mechanical testing. Lecture, one hour; laboratory, six hours. Prereq: Met E 261

Metallurgical Engineering 351 METALLURGICAL THERMODYNAMICS, 3 credits. Application of the first, second and third laws of thermodynamics to metallurgical systems. Discussions and analysis of energy, concept of equilibrium, heat capacity, enthalpy, entropy and free energy of alloy phases. Lecture and recitation, three hours. Prereq: Chem 147a.

Metallurgical Engineering 361 PHYSICAL METALLURGY, 3 credits
Crystal structure, bonding in metal crystals, lattice movements in elastic and plastic deformation, x-ray diffraction and pole figures. Lecture, two hours; laboratory, three hours. Prereq: Met E 363

Metallurgical Engineering 363 STRUCTURE OF ALLOYS, 3 credits
Elastic and plastic deformation recovery and recrystallization of alloys heat treatment of steel. Lecture two hours; laboratory, three hours. Prereq: Met E 261

These changes will be effective in June 1960.

In the absence of Dean Slone, Professor Smith presented recommendations from the College of Pharmacy for changes in the pre-Pharmacy requirements, which were approved by the University Faculty.

Admission to the College of Pharmacy with a minimum of 67 semester hours with a grade point average of at least 2.0 of a possible 4.0.
- The recommended distribution for the two pre-pharmacy year, is:

FIRST YEAR			
COURSE	CR.	COURSE	CR.
Chem 110 (1a)- General Chemistry	5	Chem 112 (1b)- General Chemistry	5
Eng. 101 (1a)- Freshman Composition	3	Eng 102 (1b)- English Composition	3
Bot 101 (1)- General Botany	4	Zool 100 (1)- Principles of Animal Biology	4
Math 101 (5) College Algebra, or			
Math 111 (17) College Algebra	3	Math 112 (18)- Trigonometry	3
Military or Air Science, or Elective	2	Military or Air Science, or Elective	2
Physical Education	1	Physical Education	1
	<u>18</u>		<u>18</u>

SECOND YEAR			
Physics 211 (1a)- General Physics	5	Physics 213 (1b)- General Physics	5
Chem 226 (22)- Analytical Chemistry	5	Economics 251 (51) Principles of Economics	3
Military or Air Science, or Elective	2	Bact 200 (52)- Principles of Bacteriology	4
Electives	5	Military or Air Science, or Elective	2
	<u>17</u>	Electives	3
			<u>17</u>

THE PROFESSIONAL PROGRAM
THIRD YEAR

COURSE	CR.	COURSE	CR.
Phar Chem 300 (31a)- Organic Pharmaceutical Chemistry	5	Phar Chem 302 (31b)-Organic Pharmaceutical Chemistry	5
Phar 310 (21)-Theoretical Pharmacy	4	Phar 320 (24a)-Pharmaceutical Technology	4
Phar 305 (26)-Pharmaceutical Calculations	3	Phar Chem 304 (32)- Inorganic Pharmaceutical Chemistry	3
Phar 300 (22)- History and Ethics of Pharmacy	3	M. M. 220 (31b)-Biological Pharmaceuticals	3
Electives *	<u>3</u>	Electives *	<u>3</u>
	18		18

* Electives must be chosen from Philosophy 200, 220, 230

FOURTH YEAR

Phar Chem 400 (102)-Biochemistry	4	Phar Chem 402 (103)-Drug Assay	4
M. M. 334 (11a)-Physiology and Pharmacodynamics	4	M. M. 346 (11b) Physiology and Pharmacodynamics	4
M. M. 330 (27a)-Pharmacognosy	3	M. M. 342 (27b)-Pharmacognosy	3
Phar 330-Theoretical Pharmacy	4	Phar 340 (24b)-Pharmaceutical Technology	4
Phar 335 (35)-Pharmaceutical Law	<u>3</u>	Electives	<u>3</u>
	18		18

FIFTH YEAR

Phar Chem 404 (104)-Chemistry of Medicinal Products	3	Phar Chem 406- Chemistry of Medicinal Products	3
M. M. 450 (138a)-Pharmacology and Toxicology	5	M. M. 462 (138b)-Pharmacology and Toxicology	5
Phar 350- (111a)-Pharmaceutical Dispensing	5	Phar 360 (111b)-Pharmaceutical Dispensing	5
Phar 356 (31)-Drug Store Management	3	Phar 366 (32)-Drug Store Merchan- dising	3
Phar 355 (122a)-Modern Therapeutic Agents	<u>3</u>	Phar 365 (122b)-Modern Therapeutic Agents	<u>3</u>
	19		19

COURSES DROPPED:

Phar 31- Drug Store Accounting, 3 sem. hrs.
M. M. 31a & 31b- Biological Pharmaceuticals, 3 sem. hrs.

CHANGE IN TITLE:

Phar 22- Pharmacy Orientation to Phar 300- History and Ethics of Pharmacy
Phar 24a and 24b- Pharmaceutical Preparations to Phar 320 and 340-
Pharmaceutical Technology.
Phar 32- Drug Store Retailing to Drug Store Merchandising.
Phar 35- Pharmacy Law to Phar 335- Pharmaceutical Law
Phar 111a and 111b- Dispensing Pharmacy to Phar 350- and 360- Pharmaceutical
Dispensing

COURSES ADDED:

Phar 330-Theoretical Pharmacy, 4 sem. hrs.

Phar 356- Drug Store Management, 3 sem. hrs.
M. M. 220- Biological Pharmaceuticals, 3 sem. hrs.

CHANGE IN CREDIT:

Phar 22- Pharmacy Orientation, 2 sem. hrs. to Phar 300- History and Ethics of Pharmacy, 3 sem. hrs.
Phar Chem 32- Inorganic Pharmaceutical Chemistry, 2 sem. hrs. to Phar Chem 304, 3 sem. hrs.
Phar 35- Pharmacy Law, 2 sem. hrs. to Phar 335- Pharmaceutical Law, 3 sem. hrs.

The degree of Bachelor of Science in Pharmacy is offered on completion of a minimum of 177 semester hours of credit, including Military or Air Science and Physical Education, with a quality point standing of 2.0 of a possible 4.0. The program would be effective with the group entering the College of Pharmacy in the fall of 1960.

The Faculty adjourned at 4:30 p. m.

Charles F. Elton
Charles F. Elton
Secretary