

MINUTES OF THE UNIVERSITY FACULTY

March 12, 1951

The University Faculty met in the Assembly Room of Lafferty Hall, Monday, March 12, at 4:00 p.m. President Donovan presided. Members absent were: W. R. Allen, L. A. Bradford, Thomas P. Cooper, Lyle R. Dawson, L. J. Horlacher*, P. E. Karraker, A. C. McFarlan, Frank Murray, A. E. Slesser, and Lawrence S. Thompson*.

Dean White presented the following recommendations from the College of Arts and Sciences regarding new courses and changes in courses:

1. New Courses

Art 145a, History of Architecture (2) I

A survey of architectural developments from ancient times through the 18th century. Analyses of classic, medieval, renaissance and baroque styles. Illustrated lectures and reports.

Art 145b, History of Architecture (2) II

A study of modern architecture, 19th and 20th centuries. Emphasis on contemporary developments. Illustrated lectures and reports.

Art 153 Aesthetics (3) I

or

Philosophy 153 Aesthetics (3) I

Problems of method in aesthetics; major types of aesthetic theory. Aesthetic materials of the arts, in literature, music and the space arts. Form and types of form. Meaning in the arts. Interrelations of the arts. Lectures, discussions, reports.

English 165 The Lyric in English (3)

A course designed to trace the development of English lyrical poetry through close study of representative specimens, past and present.

Botany 500 1-2-3 Thesis (0)

Zoology 140 Herpetology (4)

Designed to acquaint the student with the amphibians and reptiles of eastern North America, their classification, adaptations and natural history. Lecture 2 hours, laboratory 4 hours per week. Prerequisite: Zoology 1.

Zoology 141 Mammalogy (4)

Designed to acquaint the student with the mammals of eastern North America. Their classification, adaptations and natural history. Lecture 2 hours laboratory 4 hours per week. Prerequisite: Zoology 1.

Zoology 221a,b,c,d. Problems in Herpetology and Mammalogy (3 each)
(by appointment)

History 132 History of American Agriculture (3)

A study of American Agriculture from 1800 to 1941 designed for upper division and graduate students.

History 110 Political and Economic History of Medieval Europe (3)

Special emphasis will be placed on those political, economic and constitutional aspects of the growth of European medieval States which have had continuing significance in modern times.

History 111 Medieval Civilization (3)

The chief emphasis will be placed on the "High Middle Ages" of the twelfth and thirteenth centuries and the distinctive civilization which then flourished in Western Europe.

Political Science 500 1-2-3 Thesis (0)

II. Courses To Be Dropped

Philosophy 119 The Philosophy of Aristotle (3)

Zoology 130 Advanced Limnology (4)

III. Change In Title and Description

Philosophy 118 The Philosophy of Plato (3)

change to:

Philosophy 118 Plato and Aristotle (3)

Plato's development of a theory of the world and of practice, studies in selected dialogues. Analysis of passages in Aristotle's major works on natural philosophy, metaphysics, knowledge, ethics and politics.

These recommendations were approved by the University Faculty.

Dean Terrell presented the following recommendations from the College of Engineering for course changes and new courses, which were approved by the University Faculty.

Changes in Title:

Metallurgical Engineering 142, from Heat Treatment to Ferrous Metallography and Heat Treatment.

Metallurgical Engineering 144, from Ferrous and Non-Ferrous Metallography to Non-Ferrous Metallography and Heat Treatment.

Metallurgical Engineering 215, from Alloy Steels to Special-Purpose Alloy Steels.

Metallurgical Engineering 240a-f, from Special Problems in Metallurgical Engineering to Special Problems, Literature and Laboratory.

Changes in Title and Credit:

Metallurgical Engineering 214, from The Metallic State (2 sem. hrs.) to Theoretical Structural Metallurgy (sem. hrs.)

Metallurgical Engineering 207, from Technology of Alloys (6 sem. hrs.) to Advanced Production Metallurgy (sem. hrs.)

Change in Credit:

Metallurgical Engineering 216, The Physical Chemistry of Steel Making from 6 sem. hrs. to 3 sem. hrs.

Addition of letters to Course Number:

Metallurgical Engineering 275a-d, Seminar to Metallurgical Engineering 275a-h.

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Courses to be dropped:

Metallurgical Engineering 205, Heat Treatment of Metals and Alloys
(6 sem. hrs.)

Metallurgical Engineering 208, Advanced Metallography. (6 sem. hrs.)

Metallurgical Engineering 230 a-d, Research in X-Ray Metallography.
(6 sem. hrs.)

Metallurgical Engineering 250, Industrial Mineral Preparations and Uses.
(3 sem. hrs.)

Mining Engineering 206, Explosive Engineering. (2sem. hrs.)

Mining Engineering 208, Coal Dust Investigation. (4 sem. hrs.)

New Courses to be added:

Civil Engineering 500-1, Thesis. (0 sem. hrs.)

Civil Engineering 500-2, Thesis. (0 sem. hrs.)

Civil Engineering 500-3 Thesis. (0 sem. hrs.)

Electrical Engineering 500-1, Thesis. (0 sem. hrs.)

Electrical Engineering 500-2, Thesis. (0 sem. hrs.)

Electrical Engineering 500-3, Thesis. (0 sem. hrs.)

Mechanical Engineering 500-1, Thesis. (0 sem. hrs.)

Mechanical Engineering 500-2, Thesis (0 sem. hrs.)

Mechanical Engineering 500-3, Thesis. (0 sem. hrs.)

Metallurgical Engineering 220, Crystal Plasticity. 3 sem. hrs.
Fundamentals of plastic deformation in metals. Topics will include
crystallography, slip, twinning, strain hardening, recovery, cold
working, cold-worked and recrystallization textures. Heyns stresses,
creep and similar subject matter. Lecture and recitation, three hours.

Metallurgical Engineering 221, Advanced Phase Diagrams. 3 sem. hrs.
Review of thermodynamic fundamentals and application to binary pressure-
temperature-composition diagrams. Construction and interpretation of
ternary temperature-composition diagrams. Review and discussion of
important ternary diagrams. Prerequisite: Chem. 244. Lecture and
recitation, three hours.

Metallurgical Engineering 222, Corrosion. 3 sem. hrs.
Corrosion mechanisms, including the electrochemical theory, funda-
mentals of oxidation and tarnish, passivity and effects of crystal
orientation on corrosion. Corrosion of various engineering materials
in various environments and testing. Lecture, two hours; laboratory,
three hours.

Metallurgical Engineering 223, Metals at High Temperature. 3 sem. hrs.
Fundamental considerations involved in high temperature behavior of

metals. Test methods and equipment for elevated temperature testing. A review of the commercial alloys for high temperature use and study of current literature. Lecture, two hours.

Metallurgical Engineering 224, Materials Engineering. 3 sem. hrs. Various factors in specification and testing of materials. Materials for lightweight construction, mechanical and electrical application, and severe service conditions are treated. Material failures, trouble shooting and testing are discussed. Lecture, two hours; laboratory, three hours.

Metallurgical Engineering 500-1, Thesis. (0 sem. hrs.)

Metallurgical Engineering 500-2, Thesis. (0 sem. hrs.)

Metallurgical Engineering 500-3, Thesis. (0 sem. hrs.)

Mining Engineering 133a,b, Coal Preparation. 3 sem. hrs. each. Principles and practice of coal preparation and associated operations. Lecture and recitation, three hours. Prerequisite: Met. Eng. 166 and 167.

Mining Engineering 500-1, Thesis. (0 sem. hrs.)

Mining Engineering 500-2, Thesis. (0 sem. hrs.)

Mining Engineering 500-3, Thesis. (0 sem. hrs.)

Dean White presented the cases of three students who had withdrawn in January for military service and who had been given credit under the Faculty regulations. These students were not inducted into the service, and two of them have returned to the University this semester. He moved that these students be allowed their credit on the ground that it had been recommended in good faith. Dean Carpenter asked to have the motion amended to include the name of one of his students. This amendment was approved. Dean Kirwan offered a second amendment which would limit the Faculty's action to the students named specifically, with the provision that additional cases would to be decided on their respective merits. This amendment was passed, and the motion was approved as amended.

Dr. C. Arnold Anderson offered a motion that the Faculty go on record as commending the various service offices on the campus for their continuing cooperation and the assistance given the colleges and departments in forwarding the instructional program of the University. The departments named specifically are the Library, the Registrar's Office, the Maintenance Department, and the Comptroller's Office. The Faculty approved Dr. Anderson's motion, and the Secretary was instructed to write the statement, which he subsequently did. Copies were sent to the offices specified.

Dr. Sanders called attention to the Distinguished Professor Lecture to be given by Dr. Scherago at the Guignol Theatre on April 19 and urged the attendance of members of the University Faculty.

Miss Elizabeth Helton announced the showing of the doll collection which had been presented to the University by Professor and Mrs. E. L. Rees. She invited the Faculty members to attend the reception on Friday afternoon from 4:00 to 6:00, at which time the collection was to be displayed.

The Faculty adjourned.

Lee Sprowles
Lee Sprowles,
Secretary to the Faculty