

President Donovan addressed the Faculty briefly. He expressed satisfaction in the results of a recent election which passed the two amendments, one lifting the salary limitations of state officers, and the other making it possible to distribute per capita funds on some basis other than the school census. He expressed his appreciation for the efforts of the Faculty and Staff and of the various organizations which helped in getting these amendments approved.

The Faculty adjourned.

Lee Sprowles
Lee Sprowles,
Secretary

Minutes of the University Faculty December 12, 1949

The University Faculty met in the Assembly Room of Lafferty Hall Monday, December 12, at 4:00 p.m. President Donovan presided. Members absent were, George K. Brady, Thomas P. Cooper, M. Jongeward, G. T. Mackenzie, A. J. Olney, Maurice F. Seay*, Earl P. Slone, Herman E. Spivey, and H. E. Wetzl.*

The minutes of November 14 were read and approved.

The Secretary presented the proposed calendar for 1950-51 and after some discussion it was approved as presented. The calendar is as follows:

Summer Session 1950

1950

June 19	Monday 7:45 a.m. - Classification tests and physical examinations for all new students
June 20	Tuesday, 8:00 a.m. to 4:30 p.m. - Registration and classification of all students, according to an alphabetical schedule.
June 21	Wednesday - Class work begins
June 24	Saturday - Last date one may enter an organized class for the summer session
June 29	Thursday - Last date one may drop a course without a grade
June 30-July 1	Friday and Saturday - Period for filing applications for degrees
July 4	Tuesday - Independence Day holiday
August 11	Friday - Summer Session Commencement
August 12	Saturday Noon - End of Summer Session

First Semester

September 11-13	Monday, 8:00 a.m. to Wednesday, 5:00 p.m. - Classification tests and physical examinations for all new students
September 14-16	Thursday, 8:00 a.m. to Saturday Noon - Registration and classification of all students, according to an alphabetical schedule

*Explained

- September 18 Monday - Class work begins
- September 23 Saturday - Last date one may enter an organized class for the first semester
- October 13-14 Friday and Saturday - Period for filing applications for degrees
- October 23 Monday - Last date one may drop a course without a grade
- November 23-27 Thursday, 8:00 a.m. to Monday, 8:00 a.m. - Thanksgiving holidays
- December 16 Saturday Noon - Christmas holidays begin

1951

- January 2 Tuesday, 8:00 a.m. - Christmas holidays end
- January 22-26 Monday through Friday - Final examinations
- January 26 Friday, 6:00 p.m. - End of First Semester

Second Semester

- February 3 Saturday, 7:45 a.m. - Classification tests and physical examinations of all new students
- February 5-6 Monday, 8:00 a.m. to Tuesday, 4:20 p.m. - Registration and classification of all students, according to an alphabetical schedule
- February 7 Wednesday - Class work begins
- February 13 Tuesday - Last date one may enter an organized class for the second semester
- March 2-3 Friday and Saturday - Period for filing applications for degrees
- March 12 Monday - Last date one may drop a course without a grade
- March 23-27 Friday, 8:00 a.m. to Tuesday, 8:00 a.m. - Easter holidays
- May 27 Sunday - Baccalaureate Services
- May 29-June 2 Tuesday through Saturday - Final examinations
- June 1 Friday - Eighty-fourth Annual Commencement
- June 2 Saturday, 6:00 p.m. - End of Second Semester
- June 5-9 Tuesday through Saturday - 4-H Club Week

Summer Session 1951

- June 18 Monday, 7:45 a.m. - Classification tests and physical examinations for all new students
- June 19 Tuesday, 8:00 a.m. to 4:30 p.m. - Registration and classification of all students, according to an alphabetical schedule
- June 20 Wednesday - Class work begins
- June 23 Saturday - Last date one may enter an organized class for the summer session
- June 28 Thursday - Last date one may drop a course without a grade

June 29,30 Friday and Saturday - Period for filing applications for degrees
 July 4 Wednesday - Independence Day holiday
 August 10 Friday - Summer Session Commencement
 August 11 Saturday Noon - End of Summer Session
 September 10 Monday - Opening of Fall Semester of 1951-52

Dean M. M. White presented the following recommendations from the College of Arts and Sciences, which were approved by the Faculty:

I. NEW COURSES

Ancient Languages 9a,b Selections from Latin Literature (3,3) I,II
 An author or authors or selections will be used to develop both the student's ability to read Latin and his acquaintance with classical ideas. Prerequisite: A. L. 3 or 4 or consent of instructor.

English 148 A General Introduction to Folklore (3)
 An introduction--on a world-wide scope--to the types of folklore, the folktale in its various forms, the legend, the anecdote, the ballad, the riddle, folk beliefs, folk games, etc. Emphasis upon folklore as a cultural phenomenon in its own right and upon its relations to literary types. The development of the science of folklore.

English 149 American Folklore (3)
 A study of the major materials in American folklore: the lore of professional, regional, national, racial groups. The use of this material in other forms. Experience in actual collecting and in the cataloging of materials. English 148 is not a prerequisite.

Mathematics and Astronomy 36 Introduction to Modern Advanced Algebra (3) An elementary discussion of properties of integers, bases of notation, greatest common divisor, fields, polynomials, matrices. Prerequisite: M&A 20a.

Mathematics and Astronomy 106a,b Advanced Calculus (3,3)
 Continuous and discontinuous functions, differentiable and non-differentiable functions, convergence of sequences and infinite series, uniform convergence of series of functions, partial differentiation, implicit functions, the Riemann integral, the gamma and beta functions, line, surface and space integrals, introduction to the theory of functions of a complex variable. Prerequisite: M&A 25 or equivalent.

Mathematics and Astronomy 109a,b Functions of a Complex Variable (3,3)
 Differentiation and integration of functions of a complex variable, contour integration, Cauchy-Goursat Theorem, Cauchy Integral Formula, poles and residues, the linear fractional transformation, conformal mapping, Taylor series, Laurent series, the Riemann sphere. Riemann surfaces, applications to simple physical problems on temperature distribution, electrical potential, and fluid flow. Prerequisite: M&A 106b

Mathematics and Astronomy 129 Probability (3)
Theorems of total and compound probability, Bernoulli's theorem, Bayes' theorem, Poisson Law, Expected value, Law of large numbers. Distribution functions and characteristic functions.
Prerequisite: M&A 20b.

Mathematics and Astronomy 141 Introduction to Theory of Numbers (3)
Divisibility, prime numbers, congruences and residues, Diophantine equations. Prerequisite: Consent of instructor

Mathematics and Astronomy 144a-f Problem Seminar (2 each)
Assignment of individual reports from the students, on current research papers. Problems from various fields of mathematics. The problems and reports will be varied from term to term to meet the special needs of the students. Prerequisite: Consent of instructor.

Mathematics and Astronomy 212a,b Summable Infinite Processes (3,3)
Fundamental limit ideas applied to infinite sequences, infinite series, infinite products, etc. A study of the classical methods of summability of Cesaro, Holder, Abel, Borel and Leroy.
Prerequisite: M&A 106b or consent of instructor.

Mathematics and Astronomy 213 Fourier Series (3)
Expression of a general periodic function as a Fourier series, sufficient conditions for convergence of a Fourier series, an example of a continuous function with divergent Fourier series, Fejer's theorem on summability of a Fourier series, applications to functions of a complex variable, applications to physics.
Prerequisite: M&A 106b

Mathematics and Astronomy 241 Number Theory (3)
Peano's Axioms, continued fractions, quadratic fields, algebraic integers, p-adic numbers, etc. Prerequisites: M&A 126b and 141

Military Science 51a,b Air Science II ROTC (Aircraft Maintenance Engineering) (2,2)
This course introduces the study of aircraft maintenance engineering, covering the maintenance mission and the technical maintenance principles and procedures for reciprocating, jet and compound engines. Prerequisites: MS 1a and 1b

Psychology 240a Therapeutic Procedures (3)
A course in the theory, technique, and application of nondirective psychotherapy. Consideration will be given to the personality theory formulated for the technique, and experimental evidence supporting the theory and practice will be examined. Opportunity will be offered to study cases handled with the technique, to listen to recorded cases, and to engage in supervised experience. Two hours lecture-discussion, two hours laboratory.

II. COURSES TO BE DROPPED

(effective February 1, 1950)
Mathematics and Astronomy 207 Theory of Numbers (3)

(effective June 3, 1950)
Mathematics and Astronomy 125a,b Introduction to Higher Analysis (3,3)

Mathematics and Astronomy 225a,b Higher Analysis (3,3)

III. MISCELLANEOUS CHANGES IN CREDIT, CONTENT DESCRIPTION, TITLE, AND PREREQUISITES

(change in content description and prerequisites)

Mathematics and Astronomy 126a,b Introduction to Higher Algebra (3,3)
Integral domains, fields, rings, polynomials, groups, vector spaces, matrices. Prerequisite: M&A 36 or consent of instructor.

(change in content description)

Mathematics and Astronomy 128a Introduction to Applied Mathematics (3)
Included in topics studied are infinite series, complex numbers, Fourier series, linear differential equations, Laplace transforms and application to electrical oscillations. Prerequisite: M&A C105a

(change in content description)

Mathematics and Astronomy 128b Introduction to Applied Mathematics (3)
An extension of M&A 128a including further applications of Laplace transforms to mechanical vibrations and theory of elasticity, Bessel functions, Legendre differential equations, the gamma, beta, and error functions. Prerequisite: M&A 128a.

(change in content description and prerequisites)

Mathematics and Astronomy 208a,b Functions of a Real Variable (3,3)
Brief discussion of real numbers; continuous functions, semi-continuous functions, functions of bounded variation; Stieltjes Integral, the derivative; modern theory of measure and integration, important inequalities, abstract spaces. Prerequisite: M&A 106b or consent of instructor.

(change in content description, title, and number of semesters)

Mathematics and Astronomy 209a,b Functions of a Complex Variable (3,3)
changed to

209a-f Selected Topics in the Theory of Complex Variables (3 each)
Analytic continuation, functions with natural boundaries, gap theorems, overconvergence, Taylor series analysis, infinite products, entire functions, normal families of functions, the Riemann mapping theorem. Dirichlet series with applications to the analytic theory of number. The contents of this course may be varied from term to term to meet the special needs of the students. Prerequisite : M&A 109b or consent of instructor.

(change in credit and content description)

Physical Education 57 Gymnastics for Women (credit changed from 3 to 2) Theory and practice in calisthenics, conditioning exercises, stunts, tumbling and pyramid building, with emphasis upon development of good body mechanics. Four hours laboratory per week.

(change in content description--adding three hours of laboratory)

Physical Education 144 Physical Education in the Secondary School (3)
Required for teacher certification in physical education. Study of theory, practice, and methods of teaching physical education activities and supervising programs in the secondary school. One hour lecture and four hours laboratory per week.

(change in course number and prerequisite)

Psychology 240 Therapeutic Procedures -- changed to 240b.
Prerequisite: Psy 240a.

(change in course title and content description)

Psychology 226 Practice in Testing: Aptitude and Trade Tests (3)
changed to Psychological Measuring Instruments (3)

A study is made of a wide variety of psychological tests designed for school surveys, counseling, and employee selection and placement. Instruments covered include group intelligence tests, personality and interest inventories, area aptitude tests, and special aptitude tests. Attention is given to the structure, validation evidence, and uses of the various tests and inventories. Six hours per week.

Assistant Dean Horlacher presented for the College of Agriculture and Home Economics the following new courses and changes in courses:

COURSE TO BE DROPPED

Markets and Rural Finance 240: Effects of Political, Economic and Cultural Forces on Rural Life in America.

CHANGE IN NUMBER AND DESCRIPTION

Horticulture 2 to 102: Principles of Spray Practice. (2)

A study of the principles and practice of spraying for the control of pests of horticultural crops. Lecture, one hour; laboratory, two hours, first half; lecture, two hours a week, last half. Prerequisite: Hort. 1, Chem. 4a; Agr. Ent. 1

ADD PREREQUISITES TO COURSES AS FOLLOWS:

Horticulture 120, Landscape Gardening
Prerequisites: Hort. 1, Botany 1 and 2

Horticulture 123, Plant Propagation
Prerequisite: Hort. 120

Horticulture 124a-c, Special Problems in Ornamental Horticulture
Prerequisite: - or approval of instructor

Horticulture 125: Plants and Planting Materials
Prerequisite: - or approval of instructor

Animal Industry 132: Reproduction in Dairy Cattle
Prerequisites: Animal Industry 21, 61 and Zool. 1

Animal Pathology 104a-b Special Problems in Animal Pathology
Prerequisite: Animal Pathology 51

Animal Pathology 102: Infectious Diseases of Domestic Animals.
Prerequisite changed from Animal Pathology 101 to 51.

DROP HOME ECONOMICS 12, INFANT AND CHILD NUTRITION. (3)

Substitute for it Home Economics 158, Food for Children, three credits
158 - FOOD FOR CHILDREN (3) II, S Nutrition Staff
and Mumford

Application of principles of nutrition in selection, preparation and serving of food to pre-school children. Laboratory practice in observation and guidance of the child during the noon meal is offered

with consideration of the psychological aspects involved. Lecture, one hour; laboratory, 4 hours. Prerequisite: H.E. 6; 11 and 52

CHANGE HOME ECONOMICS 198a-c, SEMINAR IN NUTRITION, from 2 hours per week to one hour per week.

CHANGE NUMBER AND CREDIT - Home Economics 200a-c, Seminar in Nutrition, 3 credits to

208a-c, SEMINAR IN NUTRITION, two credits each

The University Faculty approved the recommendations of the College of Agriculture and Home Economics.

Dean D. V. Terrell presented the following recommendations from the College of Engineering, which were approved by the University Faculty:

Course to be expanded and title changed:

Change Electrical Engineering 211 Electrical Circuit Analysis - Transients to: --

Electrical Engineering 211a - Linear Circuit Analysis I (3)

The application of the Laplace and Fourier transform methods to the analysis of linear lumped constant systems under transient and steady state conditions: Feedback amplifiers; Filter networks; Iterative structures, etc. Stability and physical realizability. System transfer functions and network synthesis. (Students having credit in Elec. Eng. 211 will not be duplicating credit in taking Elec. Eng. 211b).

Electrical Engineering 211b - Linear Circuit Analysis II (3)

Continuation of 211a with an introduction to non-linear systems.

Change in title and course description:

Electrical Engineering 221 - Electron Behavior in High Vacuum And Gas Tubes (3)

Potential distribution, thermionic emission and electron flow; Thermionic cathodes; Energy of electrons in Metals, Temperature-energy relations and energy distributions, Maxwellian Distribution equations and curves; Effects of random motions of electrons and ions, Equilibrium of Energy Transfer, The Boltzmann Relation. Prerequisites: Elec. Eng. 108 and Elec. Eng. 120

New Course to be added:

Electrical Engineering 222 - Gaseous Conducting Electronic Devices (3)

Atomic Energies, Energy level diagrams, Electron Motions; Photo-electric emission and photo-sensitive devices; Electric arcs and glow discharges, plasmas and plasma boundaries, cathode spot and cathode fall space, sheaths and probes; Thyratrons, Ignitrons, Mercury vapor rectifiers and Inverters. Prerequisite Elec. Eng. 221

Courses to be Dropped:

Flight Training 1a - Flight Training. (2 sem. hrs.)

Flight Training 1a - Flight Training. (2 sem. hrs.)

Professor Murray, acting in the absence of Dean Stahr, presented the following recommendations from the College of Law.

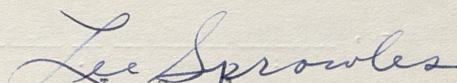
"That the new rule requiring a total of 82 semester hours in Law for a degree of LL.B. for students graduating in 1950 and thereafter, instead of the total of 80 hours previously required, be suspended in favor of the previous rule upon recommendation of the Dean of the College of Law, in individual cases where the new requirement could not be met by the student, through no fault of his own, despite his taking all courses available to him, up to the maximum load, each term after the rule was originally announced; and that no suspension of the new rule be authorized after August, 1950."

In the discussion which followed the presentation of the recommendation from the College of Law, it was the concensus that other instances might arise in which the College might wish to suspend the rule. A motion was made, seconded, and adopted, that the last line, "and that no suspension of the new rule be authorized after August, 1950", be referred to the College of Law for further study.

The Registrar, at the request of President Donovan, reported that the material for the new catalog was due in the office December 17, with the exception of the first part of the catalog, which constitutes the Bulletin of General Information. That material is now in the hands of the printer. President Donovan called attention of the Faculty to the fact that the Kernel is now doing all printing for the University. He stressed the importance of all material for printing being handed in promptly.

Professor Romanowitz raised a question concerning the ringing of the class bells during the afternoons in the summer session. He presented an analysis of the schedule which had been prepared by Professor Bureau and which indicated that a majority of the afternoon classes were on a fifty-minute basis, while the bells were set to ring for sixty-minute periods. He moved that the bells be set for fifty-minute periods and that sixty-minute classes be indicated in the schedule by elapsed time. The motion was seconded. In the discussion which followed, several substitute motions were offered and the faculty finally approved a motion to refer the matter to the Rules Committee for recommendation.

President Donovan wished the members of the faculty a pleasant Christmas vacation after which the faculty adjourned.


Lee Sprowles,
Secretary