

MINUTES OF THE MEETING OF THE FACULTY SENATE OF THE UNIVERSITY OF ARIZONA

Room 101, Law Building

Monday, February 1, 1954

The meeting of the Faculty Senate convened in regular session at 3:40 P.M. on Monday, February 1, 1954, in Room 101 of the Law Building. Twenty-seven members were present with President Harvill presiding.

The minutes of the January 4, 1954 meeting were adopted with the following change made at Dr. Roberts' request. He should be quoted as saying that in connection with absences before and after holidays, this is not as serious a problem as the many absences occurring throughout the semester.

COMMITTEE TO STUDY THE PROBLEM OF ABSENCES: President Harvill announced the appointment of the following Committee to Study the Problem of Absences: Dr. L. E. Roberts - Chairman, James A. Beatson, Fred O. Bogart, P. J. Danielson, and Quentin R. Thomson.

CATALOG MATERIAL: The President referred to the announcement of the meeting which listed new courses approved for the Regular session, the Summer session and Extension Division and the new Graduate program in Nutrition, as approved by the Advisory Council. Several questions were raised in connection with the listings and Dr. Harvill called particular attention to the program leading to a Doctorate in Nutrition which is effective during the balance of the biennium and is announced at this time for the benefit of several graduate students interested in this field of study. No objection was made to the announcements as approved by the Advisory Council.

NEW COURSES APPROVED BY ADVISORY COUNCIL:

College of Engineering - The following new courses in Electrical Engineering, one to be given in residence and the other to be given both in residence and by extension in Phoenix, were approved by the Council subject to approval through the usual channels:

E.E. 230 Advanced Electrical Circuits (3) I (to be given in Phoenix) Martin  
and in residence)  
Design of wide band and fast amplifiers using vacuum tubes and transistors; stagger tuning, distributed amplifiers and related problems.

E.E. 227-E Steady State and Transient Stability of Power Systems (3) Knickerbocker  
P., EE 219-E.

P.E. for Women - The Council approved the following new course offered by the Department of Physical Education for Women beginning with the opening of the second semester 1953-54. This course replaces P.E. 84 - First Aid, and it was understood that the official request for the withdrawal of this course would be filed.

P.E. 170 First Aid (2) II Pilgrim  
This course is designed primarily for seniors in the College of Education. Theory, demonstration and practice in techniques of First Aid leading to Red Cross Standard, Advanced, and Instructor certification for qualified persons.

NEW COURSES APPROVED BY ADVISORY COUNCIL (Continued)

NEW SUMMER SESSION COURSES

College of Agriculture

Botany and Range Ecology 114-S Plants of the Desert (2) II Hoshaw  
A course designed to fill the needs of public school teachers and others who wish to become familiar with the common native and cultivated plants of the desert region. The naming of plants and techniques of plant identification will be considered. Field trip fee \$5.

Botany and Range Ecology 136-S Plants Useful to Man (2) I Hoshaw  
A lecture-demonstration course offering practical information on plants and their uses. Subjects discussed will include: foods and food plants, medicinal plants, plants and industry, plants used for textiles, ornamental plants and landscaping and plants involved in human diseases.

English 123s Writing for Children and Young People (2) I Peck  
Each class session will consist of a lecture on some aspect of the craft of writing for the juvenile market and of class discussion of manuscripts written as assignments. This class is more workshop than lecture. The talks are short, students are urged to write stories to be taken up in class. They may also submit manuscripts on which they are at work for advice and criticism by the instructor.

P.E. for Men 64s The Teaching of Water Skills and Sports (1) II Ruff  
Is intended to provide those interested in managing water front programs, and the teaching of swimming and diving, with the skills and information essential to success.

NEW EXTENSION COURSES 1953-54

College of Business and Public Administration

B.A. 110aE-110bE Police Administration (2-2) I, II Hayes  
Introduction to the principles of law enforcement organization and administration, discussion of statistics, criminal identification and investigation. Educational methods for combating crime and vice and controlling traffic.

College of Liberal Arts

English 133e Prose Fiction Since 1900 (3) I Sigworth  
Short stories and novels studied intensively with particular attention to various critical approaches to fiction.

CORRESPONDENCE STUDY COURSE - The Council approved the following non-credit correspondence study course. Dean Park explained that there is a need for this course in order that operators of sewage disposal plants meet state requirements, and the University has been asked to offer the course.

C.E.1-C Elements of Sewage Plant Operation No Credit Mees

NEW GRADUATE PROGRAM APPROVED BY ADVISORY COUNCIL - NUTRITION

Graduate College

Nutrition, Ph. D. Degree in: The Council approved the proposal to offer the degree of Doctor of Philosophy with a major in Nutrition. The catalogue changes covering this degree and the listing of courses available was approved as follows:

Nutrition

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Change as follows:

1. Nutrition starred as a Ph. D. subject.
2. The following members to be added to the Nutrition Committee:  
H. L. Micklewright, M. W. Pasvogel, A. Picchioni, M. G. Seeley, M. G. Vavich.
3. The section under Note to be changed as follows: Delete word "Note" and section to read: Graduate work leading to a Master of Science degree or a Ph.D. degree with a major in Nutrition is offered. The minor subject may be in bacteriology, botany, physiology, pharmacology or various branches of chemistry. Representatives from the Departments of Agricultural Chemistry and Soils, Animal Husbandry, Animal Pathology, Chemistry, Dairy Husbandry, Home Economics, Nutrition, Poultry Husbandry, Pharmacy, and Zoology make up the Committee on Nutrition. The course of study of the candidate will be selected by the Thesis Director and approved by the Nutrition Committee. The prerequisite is: A Bachelor's degree in biological science, chemistry, agriculture or home economics, including not less than 6 hours of organic chemistry, 4 hours in biochemistry or nutrition, and 4 hours in bacteriology or physiology. By approval of the Nutrition Committee deficiencies may be made up after admission to the Graduate College.
4. Revise list of courses to read as follows:

<u>Nutrition 202</u>	Chemistry and Metabolism of Carbohydrates and Lipids 1953-54 (3) I	Thompson
	The chemistry and metabolism of carbohydrates and lipids with emphasis on recent contributions and interpretations. Home Economics P, 102, Chemistry 160 and 161, and Zoology 144 or equivalent; 6 units of organic chemistry.	
<u>Nutrition 204</u>	Chemistry of Enzymes (2) II 1954-55	Cardon
	Classification, sources, methods of study, physio-chemical properties and mechanism of action of enzymes. P, Bacteriology 107, Zoology 144, Animal Husbandry 104 or Chemistry 160.	
<u>Nutrition 206</u>	Dairy Chemistry (3) II 1954-55	Stull
	The chemical composition and the biological significance of the constituents of milk; some technical problems associated with the physiochemical properties of the milk constituents. P, Chemistry 160 and 161 or equivalent.	
<u>Nutrition 208</u>	Chemistry and Metabolism of Proteins (2) II 1953-54	Kemmerer
	The chemistry and structure of proteins and amino acids; the chemistry and physiology of their metabolism and their biological and chemical evaluations. P, 6 units of organic chemistry; Animal Husbandry 104 or Chemistry 161 or Home Economics 102; Bacteriology 107 or Zoology 144, consent of the instructor.	

NEW GRADUATE PROGRAM APPROVED BY COUNCIL - NUTRITION (Continued)

<u>Nutrition 210</u>	Vitamins and Minerals (2)	I	1954-55	Vavich
	The chemistry and metabolism of vitamins and minerals. P, 6 units in organic chemistry; Animal Husbandry 104 or Chemistry 161 or Home Economics 102 or equivalent; Bacteriology 107 or Zoology 144, consent of the instructor.			
<u>Nutrition 212</u>	Advanced Methods in Nutrition (3)	I, II		Staff
	Chemical, physical, and biological techniques used in vitamin, protein, enzyme, and energy research will be studied. 1R, 6L. P, 6 units Organic Chemistry, Animal Husbandry 104 or Chemistry 161 or Home Economics 102; Bacteriology 107 or Zoology 144.			
<u>Nutrition 299</u>	Seminar (1)	I, II		Staff
<u>Nutrition 300</u>	Research (2 to 4)	I, II		Staff
<u>Nutrition 310</u>	Thesis (2 to 4)	I, II		Staff

The courses listed below also may be taken for credit in Nutrition. For description see as listed under department elsewhere in catalogue:

<u>Animal Husbandry 104</u>	Principals of Animal Nutrition (4)	I	G	Cardon
<u>Agricultural Chemistry 221</u>	Radioactive Tracer Techniques in Agriculture (3)	I	1953-54	Fuller
<u>Bacteriology 125</u>	Yeasts, Molds, and Actinomycetes (4)	I	G 1953-54	Evenson
<u>Bacteriology 167</u>	Physiology of the Bacteria (2)	II	G	Ordanik
<u>Bacteriology 180</u>	Immunology (4)	I	G	Evenson
<u>Bacteriology 187</u>	An Introduction to the Viruses (2)	II	G	Staff
<u>Botany 203</u>	Advanced Plant Physiology (4)	I		Kurtz
<u>Chemistry 150</u>	Qualitative Organic Analysis (3)	I	G	Rhodes
<u>Chemistry 155</u>	Semi-Micro Quantitative Organic Analysis (3)	I	G	Seeley
<u>Chemistry 160</u>	Biochemistry (3)	II	G	Sands
<u>Chemistry 161</u>	Biochemistry Laboratory (2)	II	G	Sands
<u>Chemistry 184a-184b</u>	Physical Chemistry (3-3) Yr.	G		Roberts
<u>Chemistry 185a-185b</u>	Physical Chemistry Laboratory (2-2) Yr.	G.		
<u>Chemistry 188</u>	Colloid Chemistry (2)	I	G	Nugent
<u>Chemistry 210</u>	Spectrochemical Analysis (1)	II	1953-54	Seeley
<u>Chemistry 220</u>	Advanced Analytical Chemistry (3)	II		<u>Rhodes-Wise</u>
<u>Chemistry 240a-240b</u>	Advanced Organic Chemistry (3-3) Yr.			Kelley
<u>Home Economics 102</u>	Nutrition (4)	I	G	Thompson
<u>Home Economics 112</u>	Nutrition Work with Children (3)	I	G	Thompson
<u>Home Economics 122</u>	Readings in Nutrition (2)	II	G	Thompson
<u>Home Economics 212</u>	Laboratory Methods in Human Metabolism (3)	I	1953-54	Thompson
<u>Home Economics 262</u>	Experimental Procedures in Nutrition (3)	II	1954-55	Thompson
<u>Pharmacy 107a-107b</u>	Organic Pharmaceutical Chemistry (3-3) Yr.	G		Buchdahl
<u>Pharmacy 121a-121b</u>	General Pharmacognosy (4-4) Yr.	G		Brewer
<u>Pharmacy 131a-131b</u>	General Pharmacology (4-4) Yr.	G		Picchioni
<u>Pharmacy 24OR</u>	Advanced Pharmacology (2)	I	1953-54	Picchioni
<u>Pharmacy 24OL</u>	Advanced Pharmacology Laboratory (2)	I	1953-54	Picchioni
<u>Poultry Husbandry 104</u>	Poultry Nutrition (3)	I	G 1954-55	Hinds
<u>Zoology 114</u>	Human Genetics (2)	I	G	Marshall
<u>Zoology 143</u>	Mammalian Physiology (4)	I	G	Caldwell
<u>Zoology 144</u>	Mammalian Physiology (4)	II		Caldwell
<u>Zoology 147</u>	Vertebrate Embryology (4)	II	G	Caldwell
<u>Zoology 149</u>	Parasitology (4)	I	G	Mead
<u>Zoology 150</u>	Techniques of Biological Literature and Nomenclature (2)	II	G	Mead

"PRE-REGISTRATION PLAN" AT ARIZONA STATE COLLEGE AT TEMPE: The Secretary had been asked to obtain information regarding the program of pre-registration reported as having been established at Tempe. Mr. Leshner read the following letter received from Mr. Alfred Thomas, Jr., Registrar and Director of Admissions, at Arizona State College, Tempe, under date of January 14, 1954:

"This is in response to your letter of January 7, 1954, concerning our so-called pre-registration here this semester. Actually it was a mis-nomer because it really was only a period set aside for student advisement for the students registered the first semester. This advisement period however did give the students an opportunity to work out their second semester program.

"The distribution of registration books will be January 19-22 for the students registered first semester and the class cards will be distributed by the departments January 26 and 27. Final registration and payment of fees will be January 26 and 27.

"In discussing this matter with a number of our faculty people I am convinced that it was successful in providing for a more adequate advisement program for our students. The distribution of class cards and the final registration procedure should proceed more smoothly because the advisement part of the registration activity will have been completed.

"After reviewing the procedure as a whole following our registration I shall be glad to again write to you and point out the strong and weak parts of the system."

In reply to a question by Dr. Roberts, the Registrar explained that a similar advisory period obtains at Arizona but it is not scheduled formally as was done at Tempe this year. Some comment was heard to the effect that faculty members at State College had criticized the new plan because of the extra time involved in advisory work.

REGISTRATION POLICIES AND PROCEDURES, REPORT OF COMMITTEE ON: Mr. Leshner, Chairman of the Committee, reported that the committee had held four meetings, one of which was subsequent to registration for the second semester. He explained that teams of two, made up of a member of the faculty and a student, had studied registration procedure on Tuesday and Wednesday, the 26th and 27th. Several points of difficulty had been observed, and it was the plan of the committee to suggest means of eliminating these, but before doing so it wished to study further a proposal submitted by the Student Committee to establish a pre-registration plan.

In connection with the report of this committee, it was pointed out that although members of the Student Committee on Academic Matters have been invited to meet with the Faculty Committee, it was the Senate's expectation that the report submitted to the Senate would come from the Faculty Committee only. This does not mean, however, that the Student Committee itself may not submit recommendations to the Senate.

Dr. Roberts asked if it would not be feasible to limit registration to one day, explaining that much of the time after the first few hours of the first day of registration was wasted. The Registrar explained that the question had been raised on various occasions and had been given some serious study. While it is true that the work of the departments is handled for the most part by early afternoon of the first day of registration, the final steps of registration in the Men's Gymnasium require two days of activity. On the first day it is possible to accommodate some three thousand students at the Gymnasium. Since

somewhat more than that number enroll in the two days of registration, it would not be possible to condense this part of the plan into one day and still utilize the Men's Gymnasium. Some thought had been given, he reported, to using other buildings but it was found that the newer air-cooled buildings, including Liberal Arts and Business Administration, do not lend themselves to registration because of the limited capacity of the corridors. Further thought, however, would be given to utilizing these facilities, as well as the Student Union Building, for the final steps of registration.

FACULTY LOUNGE SERVICE, REPORT ON: President Harvill called attention to a report from Mr. Marvin D. Johnson, Manager of the Student Union Building. The report referred to the cost of handling the services of the Faculty Lounge, particularly the provision for hot coffee. Because of the increasing prices, it was necessary to keep a strict accounting of the income from this service. Mr. Johnson's report indicated that there appears to be a discrepancy between the amount of coffee furnished in the Lounge and the money received at a charge of five cents per cup. He was aware that any differences could probably be ascribed to forgetfulness on the part of the faculty, but he felt it necessary to call this problem to the attention of those who utilize the services in the Lounge.

UNIVERSITY PROPERTY, THEFT OF: President Harvill called attention to recent newspaper stories regarding theft on the part of a former University student of objects from the University Museum and the University Library. These incidents do not occur very often, but the President suggested that all heads of departments and other administrative officers should take care to see that University materials are properly protected.

Dr. Haury stated that students had reported to him that it was much easier to take books out of our library than out of libraries in other institutions they had attended. He suggested that some plan be set up to check students who withdraw books and other materials from the Library. Dr. Harvill said in this connection he had in mind reviewing the matter with the University Librarian.

The meeting adjourned at 5:00 P.M.

  
C. Zaner Leshner, Secretary