

MINUTES OF THE UNIVERSITY FACULTY JULY 13, 1959

The University Faculty met in the Assembly Room of Lafferty Hall Monday, July 13, 1959, at 3:00 p.m. President Dickey presided. Fifty members were absent but as this was a special meeting the names are not listed in the minutes.

Because of the crowded agenda, the minutes of June 12, were not read.

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

New Courses

Biology \*1, Biology, 4 credits Walthall  
 An elementary course concerned with a study of plant and animal organisms, including man, and designed to serve both the major and the non-major in an understanding of biological principles and processes. Two lectures and two laboratories per week.

Biology \*\*2, Biology, 4 credits Walthall  
 A continuation of Biology 1. Two lectures and two laboratories per week. Prereq: Biology 1.

Note: Biology 1 and 2 will be taught at the University centers only, and for a maximum period of two years. Students expecting to transfer to the Lexington campus should be warned that it would be unwise to take Biology 1 without following it by Biology 2. The equivalent cannot be obtained by following Biology 1 with Zoology 1 or Botany 1.

Geology 54, Geomorphology, 3 credits  
 A study of the geologic origins and the development of landscapes by subaerial and submarine processes. Special attention will be given to the evolution of concepts of interpretation and classification. Prereq: Geology 3 or 50a and 20a. Not open to freshmen.

Modern Foreign Languages 41a,b, Elementary Japanese (4ea.) Chambliss  
 An introduction to the spoken language through conversational practice, with grammatical principles being explained as an aid to conversation. Written Japanese is introduced gradually.

Modern Foreign Languages 42a,b, Intermediate Japanese (3ea.) Chambliss  
 Reading of texts written in modern colloquial Japanese and continued practice in conversation.

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Philosophy 140, Existentialism, 3 credits Chacon  
 A systematic study of the fundamental concepts and problems of existentialism. Selected readings in Kierkegaard, Marcel, Heidegger, Jaspers, and Sartre.

Sociology 65, History of Sociology, 3 credits  
 A survey of the development of the science of man in society in the Western world during the last four centuries, with emphasis on the growth of sociology as a discipline.

Drop

Sociology 105, Social Theory: Plato to Comte

Change in course number, only

Political Science 165, World Politics, to Political Science 65

Political Science 52, Municipal Government, to Political Science 152

Social Work 122, Field of Social Work, to Social Work 22

Change in course description

from Mathematics and Astronomy 19, Analytics and Calculus I  
 A brief study of coordinate systems; sketching curves from their equations; parametric equations. The elementary concepts of the calculus will be used in developing these topics. Prereq: M&A 5 or 17, 18

to Introductory analytical geometry, differentiation and integration of algebraic and trigonometric functions, differentials, and applications of these concepts. Prereq: M&A 5 or 17 and 18

from Mathematics and Astronomy 20, Analytics and Calculus II  
 Selected topics in analytics, transcendental functions, area, volume, pressure, work, moments. Simple methods of integration.

to Additional topics in analytic geometry, transcendental functions, hyperbolic functions, integrational techniques and application to physics and engineering problems. Prereq: M&A 2 (or 3 or high school solid geometry) and M&A 19.

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Mathematics and Astronomy 21, Analytics and Calculus III  
from Vectors and parametric equations, determinates and matrices,  
 solid analytical geometry, partial differentiation, multiple  
 integrals, infinite series.

to Vectors, determinants, space geometry, partial differentiatio,  
 multiple integrals, infinite series, complex numbers.  
 Prereq: M&A 20

Dean Carpenter presented requests from two students who had  
 been dropped twice each from the College of Commerce for permission  
 to re-enter the University. Both requests were denied by the Faculty.  
 The students are Charles M. Hancock, and Larry Wagoner.

Dean Spivey presented recommendations from the Graduate Council  
 covering graduate credit for courses already approved as undergraduate  
 courses, new graduate courses, changes in courses, and dropped courses.  
 All recommendations were approved by the University Faculty.

I. The Graduate Council recommends approval of graduate  
 credit for the following courses:

|                       |  |
|-----------------------|--|
| Civil Engineering 192 | <u>Engineering in Public Health</u> (3)<br>A survey course for sanitary<br>engineers who may be employed<br>by state, federal, or inter-<br>national health agencies, with<br>emphasis on the engineering<br>aspects of public health. |
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| Civil Engineering 193 | <u>Sanitary Engineering Laboratory</u> (5)<br>Laboratory study and analysis of<br>sanitary engineering treatment<br>processes and control procedures.<br>Application of test results to<br>design of treatment facilities. |
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II. The Graduate Council recommends approval of the following  
 strictly graduate courses.

|                       |   |
|-----------------------|---|
| Civil Engineering 290 | <u>Principles of Water Purification</u> (3)<br>Theoretical aspects of water supply,<br>treatment, and purification for<br>municipal and industrial use. |
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|                       |  |
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| Civil Engineering 291 | <u>Principles of Sewage Treatment</u> (3)<br>Principles of sewage treatment<br>and purification, design of sewage<br>and wastetreatment facilities,<br>stream pollution control. |
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I. The Graduate Council recommends approval of graduate credit for the following course:

Commerce 173. Automatic Data Processing (3)  
The theory and application of high speed electronic computers in business data processing; flow charting, systems study. Application using Computing Center equipment.

II. The Graduate Council recommends approval of the following strictly graduate course:

Education 240 Teaching Reading and Related Language Arts in the Elementary School (3)  
A study of major factors in teaching reading, writing, spelling, speaking, listening, and creative language activities. Consideration of materials, diagnostic, corrective, and evaluation procedures for each area.

III. The Graduate Council recommends that the following courses be dropped for graduate credit:

Home Economics 129 - Interior Design (3) (retained for undergraduate credit),

Education 172 - The Teaching of Reading (3)

Electrical Engineering 108R - Industrial Electronics

Electrical Engineering 108L - Industrial Electronics Laboratory

IV. The Graduate Council recommends the following changes in courses already approved for graduate credit:

Home Economics 130 a-c- Interior Design Project (2 credits each) changed to Home Economics 130 (2 credits).

Electrical Engineering 161L - Vacuum Tube Electronics Laboratory (1 credit) changed to Electrical Engineering Laboratory II (2 credits) with change in course description.

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Electrical Engineering 116L- Electrical Machinery Laboratory (1 credit) changed to Electrical Engineering Laboratory III (2 credits) with change in course description.

Electrical Engineering 107L- Electrical Controls Laboratory (1 credit) changed to Electrical Engineering Laboratory IV (2 credits) with change in course description.

Electrical Engineering 164L- Radio and Television Circuits Laboratory (1 credit) changed to Electrical Engineering Laboratory V (2 credits) with change in course description.

Electrical Engineering 107R- Electrical Controls changed from 2 credits to 3 credits with change in course description.

Electrical Engineering 165- Fields and Waves changed from 2 credits to 3 credits.

Mechanical Engineering 114b- Air Conditioning, Heating and Ventilating Design changed from 3 credits to 4 credits.

Mechanical Engineering 129- Elements of Heat Control changed from 4 credits to 3 credits.

Metallurgical Engineering 143a- Physics of Metals changed from 3 credits to 4 credits by adding laboratory.

I. The Graduate Council recommends that Graduate credit be approved for the following course:

Philosophy 140, Existentialism, 3 credits. Chacon  
A systematic study of the fundamental concepts and problems of existentialism. Selected readings in Kierkegaard, Marcel, Heidegger, Jaspers, and Sartre.

II. The Graduate Council recommends the following strictly graduate course:

Physics 251. The physics of Elementary Particles. 3 credits.  
V. P. Kenney. Prereq: Physics 155b, 217

A lecture and problem course treating the subjects of fundamental particle classification schemes, high energy accelerators and detectors, introduction to meson field theory, pion nucleon interactions, and strange particles.

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Dean Albright presented the proposal for a center at Fort Knox and briefly outlined its main features. After a discussion of this proposal and of off campus centers in general, the Faculty voted to recommend the Fort Knox Center to the Board of Trustees with the understanding that a planning council would work out the contractual details.

In keeping with the report of the Committee on Composition and Role of the Faculty, University Extended Programs proposes to the University Faculty that a University Center be established at Fort Knox, Kentucky.

Earlier Consideration

Officials of the University and of the U. S. Army Armor Center at Fort Knox have discussed the possibility of establishing a University Center at Fort Knox since 1954. One of the principal interests of the University in these early discussions was the assurance of adequate and continuing support of a Center by the Armor Command. After the discussions lapsed for roughly a year, both military and education officials at Fort Knox requested about six months ago that the University consider anew the establishment of a Center. Since that time, conferences between representatives of both agencies have been held, visits to inspect facilities have been made, and data have been gathered. Upon the basis of these activities and their resultants the proposal to establish a University Center at Fort Knox is presented.

Principles

Guides to be considered in determining the feasibility of establishing University Centers were described by a sub-committee in a report to the parent Committee of Fifteen. This report was subsequently approved and adopted and the guides, or principles, outlined there-in have been observed and followed in this proposal.

## Population

"A sufficiently numerous population" is in Fort Knox and is unlikely to decrease in the near future. At present the number of people is 47,000. Among them are:

|          |   |        |
|----------|---|--------|
| Civilian | - | 14,000 |
| Officers | - | 1,700  |
| N C Os   | - | 8,000  |
| E M      | - | 5,000  |

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The remaining number is composed of students and trainees in military preparation.

#### Staffing

"There must exist in the vicinity of the Center a reservoir of skills and talents from which qualified part-time instructors may be drawn when the need arises."

Although the teaching staff of the Center would include full-time members, some part-time personnel would be advisable, as in the cases of the Northern and Ashland Centers at present. No exhaustive and detailed inventory of individual qualifications in various fields has been possible, but a general survey indicates the presence of many qualified persons at Fort Knox. The existence of four allied research units, with some of the Nation's best qualified personnel, furnishes a rich source for instructors, some of whom have expressed an interest and willingness to teach.

#### Credit

"While in some instances off-campus centers offer four years of college work, the Kentucky situation dictates restrictions whereunder the student at the center can earn no more than 64 credit hours to be applied to a University of Kentucky degree as residence credit." This "64 credit hours" is at present 67 by Faculty action. Extension classes will be needed because some of the population will have earned more than the 67 hours in other institutions. No recommendations are being made at present for alterations in existing Faculty regulations.

#### Facilities

"The Center must be adequately equipped in terms of building, office and classroom space, and library and laboratory facilities."

Currently, 20 classrooms are available; more can be provided if needed. These spaces are varied, from 25 man rooms with armchairs in semi-permanent buildings to 120 rooms with tables and chairs in permanent buildings.

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Office and lounge space is available and will be provided as needed. Approximately 800 square feet is available at present for administrative and secretarial personnel.

The library has 67,000 volumes with an annual circulation of 417,000. Standard reference works and selections cover many fields, particularly those of political science, history, geography, and biography. The acquisition rate is 9,000 volumes per year with an expenditure of \$25,000.00. Trained librarians are already employed to service the libraries.

One laboratory is presently available. This one will require additional equipment, and more laboratory facilities will be needed. The Armor Center has agreed to make necessary provisions when the University has made the requests.

Support

"An off-campus center must enjoy the support of the community in which it exists."

Fort Knox is of course a different community in many respects from the communities in which other University Centers are in operation or are to be located. In the case of Fort Knox, the Headquarters has given assurance of support. The nature of this support has been indicated in part in the preceding statements. In effect the kind and extent of this support financially means that the costs to the University would be almost exclusively in personnel services.

Moreover, the "educational policy of Headquarters, U. S. Army Armor Center, is that all personnel below required grade participate in the program."

In considering the advisability of a Center at Fort Knox other factors have been given attention also.

Beginning Program

Many of the enrollees in a Center at Fort Knox would be working toward a degree. Thus, the program should be one that would count toward any degree the University now offers, beginning with the freshman year. Moreover, for the first year of a Center when conditions, needs and circumstances can be more thoroughly studied, perhaps only a minimum program of courses should be attempted, for example.



MINUTES OF THE UNIVERSITY FACULTY JULY 13, 1959First Semester

|  |   |
|--|---|
| English 1a (English composition)                   | 3 |
| English 4 (Intro. to Literature)                   | 3 |
| Humanities A (Classicism)                          | 2 |
| History 5a (American History Before 1865)          | 3 |
| History 4a (European History Before French Revol.) | 3 |
| Mathematics & Astronomy 17<br>College Algebra      | 3 |
| Physics 1a (General Physics)                       | 5 |
| Chemistry 1a (General Chemistry)                   | 5 |
| Modern Foreign Lang. 1a (French)                   | 3 |
| Modern Foreign Lang. 71a (Russian)                 | 3 |
| General Zoology 1                                  | 4 |
| Psychology 1 (Introduction)                        | 4 |
| Commerce 7a (Prin. of Acctng.)                     | 4 |
| Economics 2 (Ec. Hist. of Europe)                  |   |

or

|                                  |   |
|----------------------------------|---|
| Economics 3 (Ec. Hist. of U. S.) | 3 |
| Economics 51 (Prin. of Econ.)    | 3 |

Second Semester

|   |   |
|---|---|
| English 1b (English Comp.)                            | 3 |
| Humanities B (Romanticism)                            | 2 |
| Humanities C (Realism)                                | 2 |
| History 5b (American History after 1865)              | 3 |
| History 4b (European History after French Revolution) | 3 |
| Mathematics & Astronomy 18<br>(Trigonometry)          | 3 |
| Physics 1b (General Physics)                          | 5 |
| Chemistry 1b (General Chemistry)                      | 5 |
| Modern Foreign Lang. 1b (Fr.)                         | 3 |
| Modern Foreign Lang. 71b<br>(Russian)                 | 3 |
| General Botany 1                                      | 4 |
| Psychology 8 (Individual Dif)                         | 3 |
| Economics 52 (Prin. of Econ.)                         | 3 |
| Commerce 60 (Prin. of Mktg.)                          | 3 |

The provision of such a program, or any part, would be contingent upon the recruitment, selection and employment of qualified instructors. In addition, physics 1a and 1b and Chemistry 1a and 1b will require adequate laboratory facilities. In any case, the necessary conditions for teaching will have to be satisfied before a course is offered.

It is probable that the beginning of residence credit offerings should be supplemented by extension classes provided directly by the University of Kentucky to serve those students who will have earned previously a substantial number of college credits and who desire to continue toward a degree.

Opening of a Center

If a Center is to be established at Fort Knox, the opening could be effected at the beginning of the Fall semester, 1959.

Dr. Haun, Chairman of the Committee on Committees, presented a statement of the proposed functions of the Honors Program Committee, which had been authorized by the Faculty at the meeting of May 20. The Faculty voted approval of the proposed functions, and also approved a motion that the Director of the Honors Program be an ex-officio member of the Committee, with the two at-large members serving in an advisory capacity.

*Omitted, See  
new set minutes 7/31/66*

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At its May meeting the Faculty approved the establishment of an Honors Program for the University and thereby also created an Honors Program Committee consisting of ten members representing the four divisions of the Arts and Sciences College and the following six undergraduate colleges: Agriculture and Home Economics, Education, Nursing, Commerce, Pharmacy, and Engineering. The Committee on Committees recommends the following statement of functions of the Honors Program Committee for approval by the Faculty:

"The Committee shall advise with the President and other administrative officers in selecting a Director of the Honors Program.

"It shall serve in an advisory capacity to the Director in the implementation of the long range objectives and elements delineated in the report approved by the University Faculty on May 20, 1959. Together with the Director, the Committee shall formulate recommendations to the Faculty regarding such matters as academic schedules; the establishment of special sections and seminars; the recruitment and selection of honors program students; and appropriate means of recognizing such students. The Committee shall also advise on the necessary degree of financial support for the program and on the selection of Faculty advisors to honor students. It shall help interpret the program and its objectives to other faculty, students, alumni, and citizens. The Committee shall be responsible for a continuing study and evaluation of the program and for recommending to the Faculty such modifications as seem desirable from time to time for its improvement. It is recommended that the Committee report to the Faculty at either the March or April meeting of the Faculty each year."

The Committee also wishes to recommend that the make-up of the Honors Program Committee be expanded to include the Director of the Honors Program as an ex-officio member and two at-large members selected without regard to their association with any college and department. The purpose of adding the two at-large members is to assure having on the committee any persons of outstanding interest and ability to deal with this program who might otherwise be barred by reason of the fact that another equally qualified person already presented their department or college under the limited ten member make-up;

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Dr. Cooke, Chairman of the Subcommittee on Library Planning of the Committee of Fifteen, presented the report of his committee. He discussed the main features of the three proposals offered by the committee with a view to making the Library meet the University's needs. There was further discussion and questioning by the Faculty, after which a motion to refer this report to the Board of Trustees was approved.

President Dickey thanked Dr. Cooke and his committee for having presented some positive proposals for making the library facilities more adequate for students and staff.

The Faculty adjourned at 4:10 p.m.

*Charles F. Elton*  
Charles F. Elton  
Secretary