

Minutes of the University Faculty November 11, 1946

Mechanical Engineering 131c, Airplane Design. 3 qtr. hrs.  
Continuation of Mech. Eng. 131b. Drawing room, 6 hours.  
Prerequisite: Mech. 131b.

Mechanical Engineering 132, Aerodynamics Laboratory.  
3 qtr. hrs. Study of basic wind tunnel design, smoke flow over plates and bodies, wind tunnel support systems, velocity distribution in tunnel working sections, drag of various objects, and pressure distribution over airfoils at various angles of attack. A complete wind tunnel analysis of a scale model airplane will be done in order to determine lift, drag, pitching moment, rolling moment, yawing moment, and side force data. Lecture, one hour, Laboratory, four hours. Prerequisite: Mech. Eng. 130b, Mech. Eng. 107.

Dean Funkhouser presented for the Graduate Faculty a recommendation that the Department of Bacteriology be authorized to offer work leading to the Ph.D. degree in the following fields: (1) Morphology and Physiology of Microorganisms; (2) immunology and Serology; (3) Public Health Bacteriology. The University Faculty voted approval of the recommendation.

Dean Chamberlain presented for the consideration of the Faculty a tentative calendar for 1947-48. After some discussion, a motion was made, seconded, and approved that this calendar be held over to the next meeting for final action.

*Leo M. Chamberlain*  
Leo M. Chamberlain, Secretary

MINUTES OF THE UNIVERSITY FACULTY, DECEMBER 9, 1946

The University Faculty met in the Assembly Room of Lafferty Hall Monday, December 9, at 4:00 p.m. President Donovan presided. Members absent were R. S. Allen, H. W. Beers, P. P. Boyd, Thomas P. Cooper, L. L. Dantzler, N. R. Elliott, W. D. Funkhouser, J. S. Horine, W. M. Insko, G. C. Knight, G. T. MacKenzie, A. C. McFarlan, F. D. Peterson, E. W. Rannels, Howard Stephenson, William S. Taylor, and W. D. Valteau.

The minutes of November 11 were read and approved.

Dean Chamberlain presented to the Faculty the proposed calendar for 1947-48, action on which had been postponed from the meeting of November 11. After some discussion, the Faculty adopted the calendar as follows:

UNIVERSITY CALENDAR  
1947-48

FALL QUARTER

1947

September 24-26 - Wednesday, 8:00 a.m. to Friday, 5:00 p.m.-  
Classification tests, physical examinations,  
and advisory conferences for all new students.

- September 25, 26 - Thursday and Friday - Registration and classification of former students according to an alphabetical schedule.
- September 27 - Saturday - Registration and classification of new students.
- September 29 - Monday - Class work begins.
- October 6 - Monday - Last date on which one may enter an organized class.
- October 20 - Monday - Last date on which one may drop a course without a grade.
- October 23, 24 - Thursday and Friday - Period for filling applications for degrees.
- November 27 - Thursday - Thanksgiving holiday.
- December 15 -17. - Monday through Wednesday - Examinations for the Fall Quarter.
- December 17 - Wednesday, 6:00 p.m. Quarter ends.
- WINTER QUARTER
- January 2 - Friday, 8:00 a.m. - Classification tests, physical examinations, and advisory conferences for all new students.
- January 3 - Saturday - Registration and classification of new students.
- January 5, 6 - Monday and Tuesday - Registration and classification of new and former students according to an alphabetical schedule.
- January 7 - Wednesday - Class work begins.
- January 14 - Wednesday - Last date on which one may enter an organized class.
- January 26 - Monday - Last date on which one may drop a course without a grade.
- January 30, 31 - Friday and Saturday - Period for filing applications for degrees.
- March 15-17 - Monday through Wednesday - Examinations for the Winter Quarter.
- March 17 - Wednesday - 6:00 p.m. Quarter ends.
- 1948
- SPRING QUARTER
- March 19 - Friday - Classifications tests, physical examinations, and advisory conferences for all new students.
- March 20 - Saturday - Registration and classification of new students.
- March 22, 23 - Monday and Tuesday - Registration and classification of new and former students according to an alphabetical schedule.

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- March 24 - Wednesday - Class work begins
- March 31 - Wednesday - Last date on which one may enter an organized class.
- April 12 - Monday - Last date on which one may drop a course without a grade.
- April 16, 17 - Friday and Saturday - Period for filing applications for degrees.
- May 30 - Sunday - Baccalaureate Services.
- June 3-5 - Thursday through Saturday - Examinations for the Spring Quarter.
- June 4 - Friday - Eighty-first Annual Commencement.
- June 5 - Saturday - 6:00 p.m. - Quarter ends.
- June 7-12 - Monday through Saturday - 4-H Club Week.

1948SUMMER QUARTER

- June 14 - Monday - Classification tests, and physical examinations for all new students.
- June 14, 15 - Monday and Tuesday - Registration and classification of all students according to an alphabetical schedule.
- June 16 - Wednesday - Class work begins.
- June 21 - Monday - Last date on which one may enter an organized class.
- June 26 - Saturday - Last date on which one may drop a course without a grade.
- July 2, 3 - Friday and Saturday - Period for filing applications for degrees.
- July 22 - Thursday - Classification tests and physical examinations for new students.
- July 23, 24 - Friday and Saturday - Registration and classification of all students according to an alphabetical schedule.
- July 26 - Monday - Class Work begins.
- July 29 - Thursday - Last date on which one may enter an organized class.

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- July 30 - Friday - Period for filing applications for degrees.  
 August 4 - Wednesday - Last date on which one may drop a course without a grade.  
 August 31 - Tuesday - Summer Quarter Commencement.  
 September 1 - Wednesday, 6:00 p.m. - Quarter ends.

The Faculty also voted to amend the calendar of the summer Quarter of 1947, to read as follows:

AMENDMENT TO CALENDAR FOR SUMMER QUARTER 1947

- June 16, 17 - Monday and Tuesday - Registration for First Term  
 June 18 - Wednesday - Class work begins.  
 June 23 - Monday - Last date on which one may enter an organized class.  
 June 27 - Friday - last date on which one may drop a course without a grade.  
 June 27 - Friday - Period for filing applications for degrees  
 July 4, 5 - Independence Day Holiday  
 July 24 - Thursday, 6 p.m. - First Term ends.  
 July 25, 26 - Friday and Saturday - Registration for Second Term  
 July 28 - Monday - Class work begins.  
 July 31 - Thursday - Last date on which one may enter an organized class.  
 July 31 - Thursday - Last date for filing applications for degrees.  
 August 7 - Thursday - Last date on which one may drop a course without a grade.  
 August 29 - Friday - Summer School Commencement.  
 August 30 - Saturday, 6 p.m. - Quarter ends.

Dean Jones presented to the Faculty a proposed addition to the University Rules, with respect to the use of intoxicating liquors. After some discussion and one minor amendment, the proposed rule was approved as follows:

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"The University of Kentucky looks with disfavor on the excessive use of intoxicating liquors and on their use under any conditions which will jeopardize the reputation of the institution.

"No intoxicating liquors are to be brought into any fraternity or sorority house, and the drinking of such liquors or being intoxicated in these houses, is forbidden. The same prohibition applies to all residence halls and to all romming houses for University students. The serving or drinking of intoxicating liquors at dances or other social functions held by University organizations is forbidden in all areas under the jurisdiction of the group responsible for the function.

"A student adjudged in violation of the above regulations shall be subject to dismissal from the University. An organization which, as such, violates these regulations shall be subject to such penalty as seems appropriate, including, if necessary, the withdrawal of its charter."

Dean Terrell presented for the College of Engineering the following recommendations for changes in courses and new courses:

New Graduate Courses:

Metallurgical Engineering 215, Advanced Alloy Steels. 4 qtr. hrs. An advanced course in alloy steels including stainless and heat resisting steels, structural steels and alloy cast irons. Lectures and recitations, three hours; laboratory, three hours.

Metallurgical Engineering 216a. The Physical Chemistry of Steel Making. 3 qtr. hrs. A study of the kinetics and equilibria involved in steel making processes. The reactions of the open hearth furnace are considered in terms of the free energies of substances at elevated temperatures and the activities of components in the metal, slag and gaseous phases. Special attention is given to slag constitution, slag control, and the effects of alloying and deoxidizing additions to the liquid metal. The influences of melting, refining and deoxidizing practices on the properties of the finished steel are also emphasized. Lectures and recitation, three hours.

Metallurgical Engineering 216b. The Physical Chemistry of Steel Making. 3 qtr. hrs. A continuation of Metallurgical Engineering 216a. Lectures and recitations, three hours. Prerequisite: Met. Eng. 216a.

Metallurgical Engineering 216c. The Physical Chemistry of Steel Making. 4 qtr. hrs. A continuation of Metallurgical Engineering 216b with the addition of laboratory work consisting of the production and testing of small experimental heats of both acid and basic electric furnace steels. Lectures and recitations, three hours; laboratory, three hours. Prerequisite: Met. Eng. 216b.

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Metallurgical Engineering 217, The Microscopy of Slags and Refractories.  
4 qtr. hrs.

The identification and study of phases occurring in slags, ceramic bodies, and other non-opaque materials of metallurgy through the use of the petrographic microscope. Emphasis is placed on the interpretation of microstructural features as indicators of high temperature reaction tendencies among silicate and oxide phases. Phase equilibrium relationships in silicate and oxide systems are considered and some attention is given to phase identification by x-ray diffraction. Lectures and recitations, two hours; laboratory, six hours.

Metallurgical Engineering 218, Diffusion and Heat Flow in Metals.  
3 qtr. hrs.

The differential equations of Fick and Fourier are applied to diffusion in the homogenization of alloys and in solid state transformations, to the heating of metals by furnace and induction methods, and to the cooling of metals in heat treatment, welding, and casting. Radiation and convection, in addition to conduction, are given consideration as modes of heat transfer involved in the principles of furnace design. Lectures and recitations, three hours.

Drop:

Mechanical Engineering 16. Airplane Shop Practice. 3 qtr. hrs.

The Faculty approved the recommendation.

The Faculty also approved a request from the College of Law, presented by Dean Evans, that Constitutional Law I-II, Law 161a, b, be changed so as to give three quarter hours' credit for each division instead of four hours and two hours as now authorized.

Dean Evans called the attention of the Faculty to the present requirements for admission to the College of Law, which specify a standing of 1.3 on the pre-law work where the minimum of 90 quarter hours is offered, but which require only a 1.0 standing for admission based on the combined courses in Arts-Law and Commerce-Law. He asked that the Rules Committee consider this matter and bring a recommendation to the Faculty for a uniform requirement. This was so ordered by the Faculty

*Leo M. Chamberlain*  
Leo M. Chamberlain  
Secretary

MINUTES OF THE UNIVERSITY FACULTY JANUARY 13, 1947

The University Faculty met in the Assembly Room of Lafferty Hall Monday, January 13, at 4:00 p.m. In the absence of President Donovan, Vice-President Chamberlain president. Members absent were R. S. Allen, Paul P. Boyd, Lyle R. Dawson, W. A. Heinz, Margaret King, L. E. Meece, F. B. Peterson, Howard Stephenson, William S. Taylor and D. V. Terrell.