

English 180, The Teaching of High School English, 3 credits
The basic pedagogical and scholarly literature helpful to the high school teachers of English. The teaching of grammar, punctuation, usage, etc.; of theme planning, correction and grading, and revision; of reading factual and imaginative literature, with required explications de texte.

Ancient Languages 31, Medical Terminology from Greek and Latin, 3 credits
Latin and Greek roots, prefixes, and suffixes as found in medical terminology. Primarily for pre-medical, pre-dental, and pre-veterinary students, but others will be admitted for help in vocabulary building.

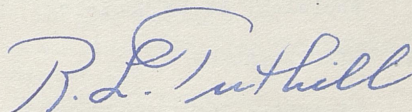
II. COURSES TO BE DROPPED

Psychology 140, Mental Deficiency, 2 credits

III. CHANGE IN CREDIT

History 138, British Social History During the Tudor Period, from 2 to 3 credits

The Faculty adjourned.



R. L. Tuthill
Secretary

Minutes of the University Faculty, December 10, 1951

The University Faculty met in the Assembly Room of Lafferty Hall, Monday, December 10, at 4:00 p.m. President Donovan presided. Members absent were: Merl Baker, A. E. Bigge, C. C. Carpenter*, Gladys Kammerer*, E. P. Slone, Robert H. Smith, M. R. Sullivan*, Lawrence Thompson*, R. L. Tuthill*, Martin E. Weeks, and Frank J. Welch.

The minutes of November 12 were read and approved.

Dean White presented for the College of Arts and Sciences the following recommendations for course changes which were approved by the University Faculty.

I. NEW COURSES

English 117a,b - Workshop in Imaginative Writing (2 ea.)
Chief attention will be directed to the short story, but time will also be given to the novel. Manuscripts will be analyzed, but primary attention will be given to the theory and conventions of fiction writing the first semester. The emphasis the second semester will be on the application of fictional techniques in the student copy. Prereq.: English 1a, 1b, 2b.

*Explained

Sociology 202a-j - Special Problems in Sociology (1 ea.)

Sociology 228 - Sociology of Religion (3) II
Critical study of reciprocal relation of religion and culture, the function of religion in society, social sources of religious concepts, religious differentiation and institutionalization, the problem of church and state.

II. COURSES TO BE DROPPED

English 117 - Workshop in Imaginative Writing (2)

Sociology 28 - The Cultural Process and the Hebrew-Christian Religion (3) II

III. CHANGE IN NUMBER

Sociology 1 to Sociology 106
Sociology 18 to Sociology 107

IV. MISCELLANEOUS

Education 260 - Problems in Educational Sociology (3) S
Number also Sociology 260

CURRICULUM LEADING TO THE DEGREE OF
B. S. IN INDUSTRIAL CHEMISTRY

Freshman Year

First Semester		Second Semester	
	Crs.		Crs.
English 1a	3	English 1b	3
Mathematics 17 (College Algebra)	3	Mathematics 19 (Analytic Geom.)	3
Mathematics 18 (Trigonometry)	3	Chemistry 1b	5
Chemistry 1a (Gen. Chemistry)	5	English 6 (Public Speaking)	3
Hygiene 1	1	Elective, Social Studies	3
Physical Education	0	Physical Education	0
Military or Air Science (Men)	2	Military or Air Science (Men)	2
	<u>15-17</u>		<u>17-19</u>

Sophomore Year

First Semester		Second semester	
	Crs.		Crs.
Chemistry 25a (Analytical Chem.)	5	Chemistry 25b (Analytical Chem.)	5
Mathematics 20a (Diff. Calculus)	4	Mathematics 20b (Int. Calculus)	4
Physics 3a	6	Physics 3b	6
Elective, Humanities	2	Engineering Drawing 2	1
Military or Air Science (Men)	2	Military or Air Science (Men)	2
	<u>17-19</u>		<u>16-18</u>

Junior Year

First Semester	Crs.	Second Semester	Crs.
Chemistry 130a (Organic)	5	Chemistry 130b (Organic)	5
Chemistry 140a (Physical)	3	Chemistry 140b (Physical)	3
Chemistry 144a (Physical Lab.)	2	Chemistry 144b (Physical Lab.)	2
German 1a	3	German 1b	3
Economics 51	3	Mathematics 105 (Diff. Equations)	3
Elective, Social Studies	3	Elective, Humanities	2
	<u>19</u>		<u>18</u>

Senior Year

First Semester	Crs.	Second Semester	Crs.
Chemistry 110a (Adv. Inorganic)	2	Chemistry 110b (Adv. Inorganic)	2
Chemistry 133 (Qual. Organic)	3	Chemistry 141 (Chem. Thermo.)	3
Chemistry 160a (Ind. Chem. Proc. and Stoich.)	2	Chemistry 160b (Ind. Chem. Proc. and Stoich.)	2
Chemistry 164a (Ind. Chem. Prin.)	2	Chemistry 164b (Ind. Chem. Prin.)	2
Chemistry 181 (Chem. Literature)	1	German 21b	3
Chemistry 188a (Seminar)	0	Biological Science	3
German 21a	3	Chemistry 188b (Seminar)	1
Biological Science	3		
Elective, Humanities	2		
	<u>18</u>		<u>16</u>

Total semester hours required, 136 (exclusive of Military Science)

Changes in course number only:

1. Chemistry 114 to 314, Non-aqueous Solutions
2. Chemistry 120 to 220, Advanced Qualitative Analysis
3. Chemistry 127 to 227, Microscopic Analysis
4. Chemistry 210 to 310, Topics in Inorganic Chemistry
5. Chemistry 222 to 322, Electrical Methods of Analysis
6. Chemistry 234a to 234, The Electronic Theory as Applied to Organic Reactions
7. Chemistry 239a,b to 339a,b, Topics in Organic Chemistry
8. Chemistry 240 to 340, Electrochemistry
9. Chemistry 249a,b to 349a,b, Topics in Physical Chemistry

Changes in course number and title:

1. Change Chemistry 115a,b, Nuclear Chemistry (2,2) to Chemistry 215a,b, Radiochemistry (2,2)

Courses to be dropped:

1. Chemistry 21a, b, Quantitative Analysis (5,4)
2. Chemistry 121, Semimicro Quantitative Analysis (3)

3. Chemistry 126, Industrial Analysis (2)
4. Chemistry 129, Selected Problems in Quantitative Analysis (3)
5. Chemistry 160, Industrial Analysis (3)
6. Chemistry 161, Industrial Chemical Calculations (2)
7. Chemistry 220, The Chemical Polarizing Microscope (2)
8. Chemistry 221, Quantitative Microanalysis (2)
9. Chemistry 234b, The Electronic Theory as Applied to Organic Reactions (2)
10. Chemistry 245, Catalysis (2)

Courses to be added:

- 22 Analytical Chemistry (5) I, II, S.
An introduction to the theory and practice of qualitative analysis and the general principles and methods of quantitative analysis. Lectures, two hours; lab., six hours. Prereq.: 1b, 2b, or 4b.
- 25a,b Analytical Chemistry (5,5) I, II
Fundamental course in qualitative and quantitative analysis including theories and calculations. Lectures, two hours; lab., six hours. Prereq.: 1b or 2b (Primarily for students seeking B.S. degree in Chemistry or Industrial Chemistry).
- 160a,b Industrial Chemical Processes and Stoichiometry (2,2) I, II
A survey of the chemistry of various manufacturing processes, with some emphasis on calculations involving stoichiometrical relationships. Lectures, two hours. Prereq.: Chemistry 140b.
- 164a,b Industrial Chemical Principles (2,2) I, II
Fundamental principles applied to problems in industrial chemistry and chemical engineering. Prereq.: Chem. 140b.
- 221 Semimicro Quantitative Analysis (3)
The applications of semimicro and micro techniques to be the quantitative analysis of both organic and inorganic substances. Lecture, one hour; lab., four hours. Prereq.: Chem. 140b.
- 228 Principles of Analytical Chemistry (3) I
An advanced study of the theory and practice of quantitative analysis. Lectures and discussions, three hours. Prereq.: Chem. 140b.
- 223 Optical Methods of Analysis (2)
An intensive study of the theory and applications of each of the following methods: emission spectroscopy, absorption spectrophotometry, colorimetry, refractometry, and polarimetry. Laboratory, six hours, Prereq.: Chem. 122 and 140b.
- 335 Molecular Rearrangements (2)
A study of the various mechanisms which have been proposed for reactions which produce change in the structural arrangement of the molecule. Lectures, two hours. Prereq.: Chem. 234.
- 336 Heterocyclic Compounds (2)
Occurrence, Preparation, and properties of cyclic compounds containing oxygen, sulfur, and nitrogen. Lectures, two hours. Prereq.: Chem. 130b.

341 Quantum Chemistry (2)

An introduction to quantum mechanics with emphasis on the aspects closely related to chemistry. Prereq.: Chem. 140b and differential equations.

342 Statistical Thermodynamics (2)

The study of chemical thermodynamics from the viewpoint of the statistical treatment of systems rather than from the empirical classical approach. Prereq.: Chem. 141 and differential equations.

Associate Dean Horlacher, of the College of Agriculture and Home Economics, presented the following recommendations from that college which were approved by the University Faculty.

New Course

Farm Economics 124, Current Farm Management Problems. 3 credits. An analysis of the current economic problems in farming, such as costs, technological developments, demand changes, and resource use. Prerequisite: Farm Economics 110, or approval of instructor.

Change in Credit

Home Economics 2, Nutrition and Public Health, 3 credits, to be changed to 2 credits. No change in description of course. Lecture, 1 hour; laboratory, 2 hours.

Dean Terrell presented for the College of Engineering the following recommendations which were approved by the University Faculty.

New Course to be added:

Electrical Engineering 171, Automatic Control Systems. 4 sem.hrs. Closed loop industrial control systems and system elements. Analysis of modes of operation. Stability, adjustment. Three class hours, three hours laboratory. Prerequisites: Elec.Eng. 102, 103 or Elec. Eng. 105a, 105b or equivalent.

Dean Spivey presented the following recommendations from the Graduate School Faculty offering an amendment to the regulation governing off-campus course work for graduate credit. The recommendation which was approved by the University Faculty was as follows:

Section to which an amendment is proposed

"Courses for graduate credit shall be taught by regular instructors of the University of Kentucky and the work shall count as part of the regular teaching load . . ." (Adopted by the Graduate Faculty August 11, 1948, reaffirmed in 1951 and approved by the University Faculty on February 12, 1951.)

Proposed rule as amended

"With the exception following, courses for graduate credit shall be taught by regular instructors of the University of

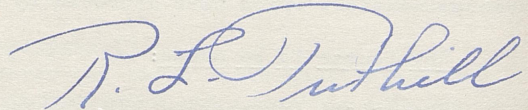
Kentucky and the work shall count as a part of the regular teaching load. When it is desirable that a course be offered, and no member of the staff of the University of Kentucky is available to teach it, a member qualified to offer graduate instruction in another fully accredited institution may be employed. Such an appointee must have had experience in teaching graduate work and must, in each case, be approved by the Dean of the Graduate School."

President Donovan announced to the Faculty that he had met with the Kentucky Chamber of Commerce at the request of that organization and had been impressed by the interest which was shown in the University program and the problems which it is now facing. At the request of the President of the Association, Mr. Sheridan C. Barnes, President Donovan read a letter from Mr. Barnes expressing the Association's interest, including a resolution which urged the General Assembly to approve the University's proposed budget for the next biennium. President Donovan stated that similar action had been taken by the Kentucky Farm Bureau and by the Kentucky Mining Institute.

President Donovan presented to the Faculty a request that students be permitted to attend the Cotton Bowl Game without penalty for absence on January 3. After some discussion the University Faculty approved the following motion, "that the Deans of the various colleges are advised that they may accept the excuse of attendance at the Cotton Bowl Game as legitimate to void the penalty for absence after the Christmas holidays."

The President called attention to the program being offered weekly over WHAS which explained the aims of the various colleges of the University.

The Faculty adjourned.



R. L. Tuthill
Secretary