

BULLETIN OF THE
UNIVERSITY OF KENTUCKY

SCHEDULE
of
CLASSES



SUMMER SESSION

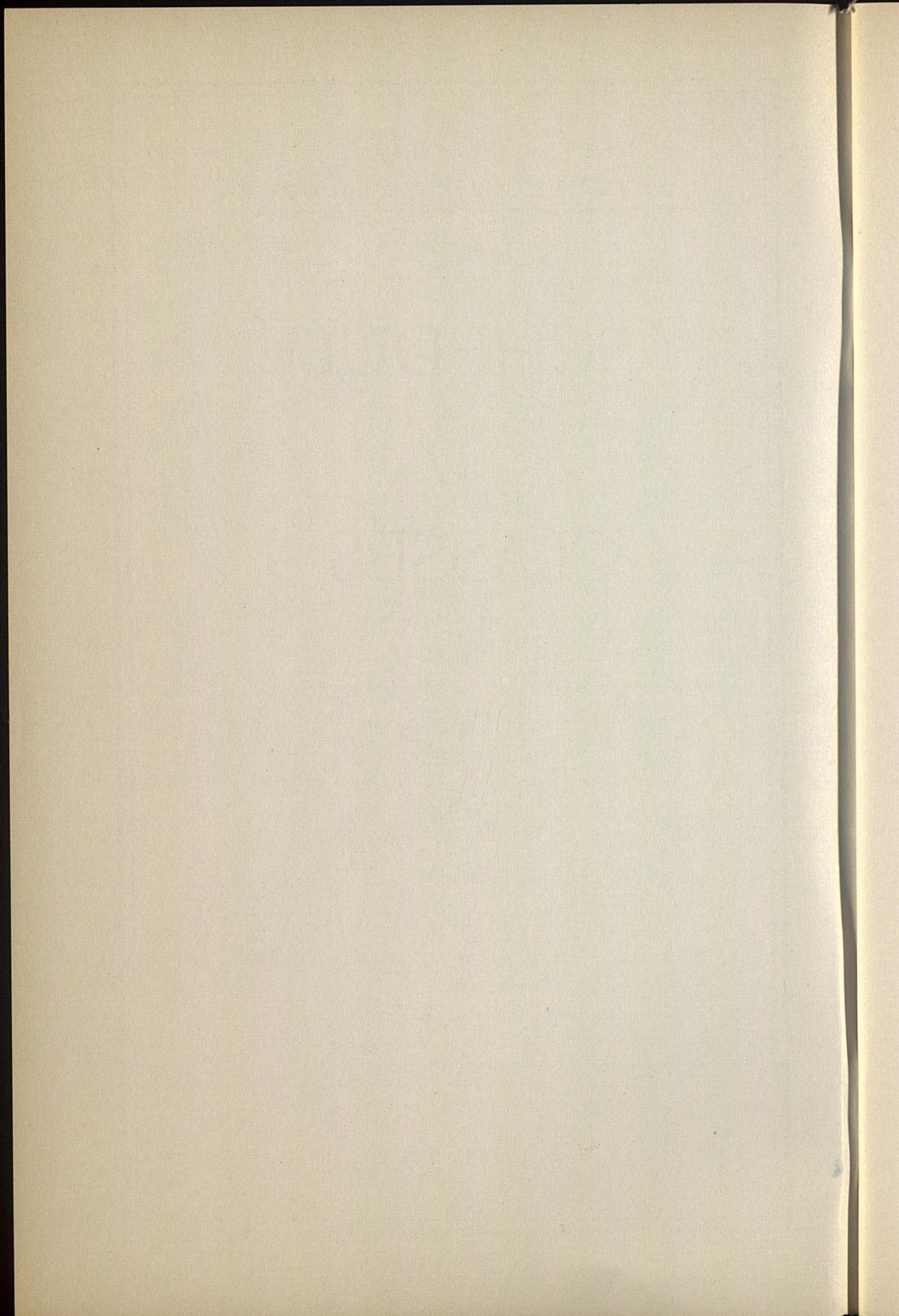
June 21 to August 14

1954

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* On leave 1953-54

CALENDAR FOR 1954 SUMMER SESSION

June 21	Monday, 7:45 a.m.—Classification tests and physical examinations for all new students.
June 22	Tuesday, 8:00 a.m.-4:00 p.m.—Registration and classification of all students according to an alphabetical schedule.
June 23	Wednesday—Class work begins.
June 29	Tuesday—Last date one may enter an organized class for the summer session.
July 5	Monday—Independence holiday.
July 6	Tuesday—Last date one may drop a course without a grade.
July 6-7	Tuesday and Wednesday—Period for filing applications for degrees.
August 13	Friday—Summer Session Commencement.
August 14	Saturday Noon—End of Summer Session.
Sept. 13	Monday—Opening of Fall Semester of 1954-55.

REGISTRATION SCHEDULE FOR 1954 SUMMER SESSION

June 21—Monday, 7:45 a.m.—All new students, except those entering the Graduate School, will report to Memorial Hall for classification tests and physical examinations. These must be completed before registration.

June 22—Tuesday, 8:00 a.m. to 4:00 p.m.—Registration and classification of all students, according to the following alphabetical schedule:

Tuesday Forenoon

8:00 to 8:50—Ke through Ni
9:00 to 9:50—No through Si
10:00 to 10:50—Sj through Z
11:00 to 11:50—A through Cli

Tuesday Afternoon

1:30 to 2:20—Clo through Ge
2:30 to 3:20—Gh through Ka
3:30 to 4:00—Miscellaneous
A through Z

June 23—Wednesday, 7:00 a.m.—Class work begins

June 29—Tuesday—Last date one may enter an organized class for the summer session

EXPLANATIONS AND ABBREVIATIONS

Colleges are arranged according to order in the catalog and in general, the departments of each College are arranged alphabetically.

Days of recitations are indicated by the initial letters of the days. For example, M-Th indicates the class is offered Monday through Thursday, M-S indicates the class is offered Monday through Saturday, etc.

The buildings are indicated as follows:

A, Administration	FB, Funkhouser Biol. Sciences	ML, Mining Laboratory Museum
AE, Agricultural Engr.	FH, Frazee Hall	NH, Neville Hall
AG, Alumni Gymnasium	HB, Health and Hygiene	NS, Nursery School
AH, Anderson Hall	HE, Home Economics	Obs, Observatory
AP, Animal Pathology	KH, Kastle Hall	Pence, Pence Hall
Agr, Agriculture	KL, King Library	PA, Psychology Annex
BH, Barker Hall	L, Lafferty Hall	SP, Stock Judging Pavilion
BL, Bowling Lanes	MA, Music Annex	SS, Social Sciences
CA, Chemistry Annex	McVH, McVey Hall	SU, Student Union
D, Dairy	MeH, Memorial Hall	TEB, Taylor Education Bldg.
DC, Dairy Center	MeL, Meat Laboratory	TL, Tobacco Laboratory
EAB, Euclid Avenue Bldg.	MC, Memorial Coliseum	WG, Women's Gymnasium
EGJ, Journalism	MG, Men's Gymnasium	WH, White Hall
EngrA, Engineering Annex	MH, Miller Hall	
FA, Fine Arts		

RECITATION HOURS

First Hour	7:00— 8:00
Second Hour	8:10— 9:10
Third Hour	9:20—10:20
Fourth Hour	10:30—11:30
Fifth Hour	11:40—12:40
Sixth Hour	12:50— 1:50
Seventh Hour	2:00— 3:00
Eighth Hour	3:10— 4:10
Ninth Hour	4:20— 5:20
Tenth Hour	5:30— 6:30

INSTRUCTIONS FOR CLASSIFICATION

1. After you have registered go to the Dean's booth in the Coliseum for information and assignment to your adviser.
2. Make out your schedule with the help of your adviser.
3. In making out your schedule write, in the proper spaces, the name of the department with the course and section numbers.
4. After classes are assigned leave four copies of your schedule at your Dean's booth.
5. *Any changes* from the original schedule must be made in the Dean's office. To drop a subject at any time during the session, you should first consult your Dean.
6. Extra work petitions must be presented when schedules exceed the amount permitted by the college in which you are enrolled. A standing of 2.0 is required.
7. Four copies of your completed schedule must be filed with your Dean before the close of the registration period. Failure to do this may result in loss of credit for the term.
8. A course cannot be added to your schedule after June 29.

THE HISTORY OF THE UNITED STATES

The first part of the history of the United States is the period of the colonial era, from the first settlement of the eastern coast in 1607 to the beginning of the American Revolution in 1776. This period is characterized by the growth of the colonies and their increasing dependence on Great Britain.

The second part of the history is the period of the American Revolution, from 1776 to 1783. This period is marked by the struggle for independence from British rule and the establishment of the new nation.

The third part of the history is the period of the early republic, from 1783 to 1800. This period is characterized by the development of the federal government and the expansion of the territory.

The fourth part of the history is the period of the Jacksonian era, from 1800 to 1840. This period is marked by the rise of Andrew Jackson and the expansion of the territory to the west.

The fifth part of the history is the period of the Civil War, from 1861 to 1865. This period is characterized by the struggle between the Union and the Confederacy over the issue of slavery.

The sixth part of the history is the period of Reconstruction, from 1865 to 1877. This period is marked by the efforts to rebuild the South and integrate the freed slaves into the nation.

The seventh part of the history is the period of the Gilded Age, from 1877 to 1900. This period is characterized by the rapid industrialization and the rise of the wealthy elite.

COLLEGE OF ARTS AND SCIENCES

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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ANATOMY AND PHYSIOLOGY

R. S. Allen, Head of Department, Funkhouser Biological Sciences 304.

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences during the Junior and Senior Years, including the Major work.

Requirements for a Major. Prerequisites: Anatomy and Physiology 10; Zoology 1; Botany 1; Physics 1a and 1b; Chemistry 1a and 1b. Required: A minimum of 3 elective credits of advanced work in Anatomy and Physiology plus the courses, Anatomy and Physiology 107, 108, 109, 116a, and 116b, and a comprehensive examination in the Senior year.

LOWER DIVISION REQUIREMENTS - See Page 7

Note: Six credits of the courses that satisfy the biological and physical sciences must be in courses that have laboratory.

2*	Elem Anat & Physiol (Lec & Rec)	3	M-F	3	FB 313	Allen
5	Elem Physiol (Home Econ & Phys Ed) Prereq: H Econ or PE cirriculum	3	M-F	4	FB 313	Boyarsky

Courses open only to Upper Division and Graduate Students

C105	Arch of the Human Skeleton (Lec & Rec) Prereq: Junior standing	3	T-S	4	FB 306	Allen
106	Intro to Endocrinology Prereq: A & P 10 or the equiv. Zool 7b; Chem 1a,b and the Instructor's consent	3	M-F	2	FB 313	Archdeacon
108	Circulation, Respiration, and Metabolism Prereq: A & P 10 or the equiv	3	T-S	4	FB 307	Archdeacon
109	Cellular Physiol Prereq: A & P 10 or the equiv	3	M-F	3	FB 306	Boyarsky

Course open only to Graduate Students

201a-i	Res in Physiol Prereq: A & P 10 or equiv; Chem 130a,b; Physical Chem desirable; Physics, one year	3 ea	By Appt		FB 303a 304a 305a	Staff
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ANCIENT LANGUAGES AND LITERATURE

Jonah W. D. Skiles, Head of Department, Frazee Hall 102

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts during the Junior and Senior years, including the Major work.

Requirements for a Major: Prereq: First two years of college Latin or Greek or Hebrew. Required: A minimum of fifteen credits of advanced work in Ancient Languages: Tutorial Seminar: comprehensive examination in the Senior year.

Note --The student who presents one unit of high school foreign language will be permitted to enroll in first year work in the same language for full credit. The student who presents two units of high school foreign language will be permitted to enroll in first year work in the same language, but will receive credit only if he makes at least a B standing in the course.

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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ANCIENT LANGUAGES AND LITERATURE - cont.

LOWER DIVISION REQUIREMENTS -- See Page 7

C1a	Beginning Latin	1	T-S	1	FH 102	Mooney
C1b	Elem Latin Reading	2	T-S	1	FH 102	Mooney
(C1a and C1b are planned as a refresher sequence for teachers and may not be taken separately)						
*1a	Beginning Latin	3	T-S	1	FH 106	Mooney
*1b	Elem Latin Reading	3	T-S	1	FH 106	Mooney
Prereq: A L 1a or one year of high school Latin						
70	Greek Mythology	2	T-F	5	FH 106	Mooney
No prereq - given in English						

Courses open only to Upper Division and Graduate Students

109a,b	Latin Lit	3 ea	M-F	7	FH 106	Mooney
(A reading course to suit the needs of the class)						
Prereq: 12 sem hrs of Latin, or equiv and permission of Instructor						
120	Greek Civilization	2	M-Th	2	FH 106	Skiles
No prereq - given in English						
150	The Tchg of Latin	3	M-F	3	FH 106	Skiles
Prereq: Senior standing						
C150	The Tchg of Latin	1	M-F	4	FH 106	Skiles
(Demonstration Class in Beginning High School Latin, June 23- July 17)						
C150	The Tchg of Latin	4	M-F	2-4	FH 106	Staff
(June 23-July 17)						
151a-d	Indp Work in Anc Lang	3 ea	By Appt			Staff
(Reading, grammar, and composition, and research courses in Greek or Latin to suit the needs of individual students)						
Prereq: Major and a standing of 2.0 in the dept						
152a,b	Studies in Roman Philology	3 ea	By Appt			Staff
Prereq: Consent of instructor						

Courses open only to Graduate Students

200	Res in the Tchg of Classical Languages	3	By Appt			Skiles
Prereq: A L 150 or equiv						
201	Compara Greek and Latin Grammar	3	By Appt			Skiles
Prereq: Necessary command of the languages involved						
205	Intensive Study of an Author	3	By Appt			Mooney
Prereq: Necessary command of the languages involved						
206	Intensive Study of a Period	3	By Appt			Mooney
Prereq: Necessary command of the languages involved						
207	Intensive Study of a Literary Genre	3	By Appt			Mooney
Prereq: Necessary command of the languages involved						

ANTHROPOLOGY

Charles E. Snow, Head of Department, Social Science 101

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the Social or Biological Science groups during the Junior and Senior years, including the Major work.

Requirements for a Major: Anthropology, 1, 2, and 3a (Geography 3a or Sociology 3a is equivalent of Anthropology 3a). Required: A minimum of 24 credits of advanced work, including Anthropology 115, 125, 141, 150a,b. Comprehensive examination.

LOWER DIVISION REQUIREMENTS - See Page 7

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

*1	Intro to Phy Anthropology	3	T-S	2	SS 128	Snow
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*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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ANTHROPOLOGY - cont.

*2 Intro to Cultural Anthropology 3 M-F 3 SS 128 Essene

Courses open only to Upper Division and Graduate Students

103a-d Indp Work in Anthropology 3 ea By Appt Staff

Prereq: Major and astanding of 2.0 in the dept

142 Culture and Personality 3 M-F 4 SS 128 Essene

150a-d Tutorial Seminar 2ea By Appt Staff

Prereq: Major in Anthro

Courses open only to Graduate Students

201a,b Seminar 2 ea By Appt Staff

203a-d Res Prob in Anthropology 3 ea By Appt Staff

Prereq: An undergraduate major in Anthro

ART

Donald L. Weismann, Head of the Department, Fine Arts 207

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: 40 credits in advanced work in the field of Literature, Philosophy, and the Arts during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Art 30 and 61 (drawing), 62 (design), 35 or 36 (history of art). Required: a minimum of 26 credits of advanced work in art -- 12 credits in studio courses, 12 credits in history of art, 2 credits in the senior seminar plus a comprehensive examination in the Senior year.

Requirements for a Major in Art Education. Prerequisites: Art 30 and 61, 62. Required: a minimum of 18 credits in art -- Art 10a, b, 36, 65a, 65b or 64a, 143, 157, and 22 credits in Education -- Education 16, C44, 105, 110, 142, C147.

LOWER DIVISION REQUIREMENTS - See Page 7

*10a Pub Sch Art 2 TTh 7-9 FA 206 Weismann

4 hrs By Appt

*10b Pub Sch Art 2 WF 7-9 FA 206 Weismann

4 hrs By Appt

*51a,b Painting (Non-Art Majors) 2 ea MWF 7-9 FA 202 Sternbergs

1 hr By Appt

*61 Elem Drawing 2 TTh 7-9 FA 104 Sternbergs

4 hrs By Appt

*62 Basic Design 3 MWF 7-9 FA 106 Barnhart

6 hrs By Appt

65a Painting 3 MWF 7-9 FA 202 Sternbergs

Prereq: Art 61, 62

6 hrs By Appt

65b Painting 3 TThS 9 hrs By Appt

FA 102

Barnhart

Courses open only to Upper Division and Graduate Students

157 Art in Sec Schools 3 M-S 5 FA 203 Rannells

165a,b Intermed Painting 3 ea TThS 9 hrs By Appt

FA 102

Barnhart

175a-d Indp Work: History, Criticism 3 ea 6 hrs By Appt FA 207

Rannells,
Weismann

177a-d Indp Work: Painting, Printmaking 3 ea 15 hrs By Appt FA 102

Barnhart

BACTERIOLOGY

M. Scherago, Head of Department, Funkhouser Biological Sciences, 104

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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BACTERIOLOGY - cont.

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Chemistry 1a,b; Bacteriology 2b or 52 and 104. Required: Two credits in Seminar and a minimum of 14 additional credits of advanced work in Bacteriology, including Bacteriology 125.

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

LOWER DIVISION REQUIREMENTS - See Page 7

52-1	Prin of Bact, Lec all	4	T-F	1	FB 124	Edwards
52-2	Prin of Bact, Lab		T-F	2,3	FB 208	Weatherwax
52-3	Prin of Bact, Lab		T-F	7,8	FB 208	Weatherwax

Prereq or concur: Chem 1b or 4b

Courses open only to Upper Division and Graduate Students

103-1	Pathogenic Bact, Lec	4	MTWF	5	FB 124	Humphries
103-2	Pathogenic Bact, Lab		MTWF	7,8	FB 206	Humphries
	Prereq: Bact 102 or 52; or 2b and Chem 1b					
104	Appl Bact, Lab	2	By Appt		FB 210	Weatherwax
	Prereq: Bact 102 or 52; or 2b and Chem 1b					
110a	Lab Diagnosis	3	M-F	3,4	FB 206	Hotchkiss
	Prereq: Preceded or accompanied by Bact 103					
110b	Lab Diagnosis Lab	3	M-F	1,2	FB 206	Hotchkiss
	Prereq: Preceded or accompanied by Bact 103					
111-1	Gen Path Lec	4	TThS	3	FB 5	Scherago
111-2	Gen Path Lab		MWF	4,5	FB 5	Scherago
			Th	4		
	Prereq: A & P 10; Zool 7b, 101b, 106; Bact 103					
115a-f	Indp Work	3 ea	By Appt		FB 104	Staff
	Prereq: Major and a standing of 2.0 in the dept					
120a	Hospital Lab Practice	4	By Appt		Good Sam. Hosp. Lab.	
120b	Hospital Lab Practice	6	By Appt		Good Sam. Hosp. Lab.	
	Prereq: Bact 110a,b					

Courses open only to Graduate Students

201a-g	Res in Bact	5 ea	By Appt		FB 104	Staff
210	Clinical Mycology	2	By Appt		FB 119A	Hotchkiss
	Prereq: Chem 130b; reading knowledge of one foreign language; preceded or accompanied by Bact 125					
224	Disinfectants & Antibiotics	3	By Appt		FB 119A	Hotchkiss
	Prereq: Bact 2b or 52 and 104; Chem 130b					
270	Electron Microscopy	3	By Appt		FB 5	Edwards
	Prereq: Physics 3a,b					
272	Viruses & Rickettsiae	4	By Appt		FB 5	Edwards
	Prereq: Bact 125					

BOTANY

Herbert P. Riley, Head of Department, Funkhouses Biological Sciences 220

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Botany 2 or 1b. Required: A minimum of 20 credits of advanced work in Botany and the passing of a comprehensive examination covering chiefly the fields of morphology, taxonomy, and physiology.

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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BOTANY - cont.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

25	Gen Plant Biol	3	M-F	2	FB 217	McInteer
40	The Origin of Cultivated Plants	3	T-S	4	FB 211	Riley

Courses open only to Upper Division and Graduate Students

C114	Ecology	3	M-F	3	FB 217	McInteer
	Prereq: Six credits of Botany					
130	Intro to Heredity	3	M-F	2	FB 211	Riley
	Prereq: Three credits in biological sciences					

CHEMISTRY

Lyle R. Dawson, Head of Department, Kastle 105A

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Classification of juniors or seniors as majors in Chemistry is restricted to students having a standing of 1.0 or higher in all chemistry courses. Juniors and seniors may major in chemistry either with a field of concentration in the physical sciences or in a combination of biological and physical sciences. Those students who might later wish an advanced degree in chemistry or who might wish to become professional chemists are advised to have their field of concentration in the physical sciences. Those students who intend to enter medical school, obtain an advanced degree in some biological science, teach in high schools, or simply use chemistry as a part of their liberal education may want their field of concentration to be a combination of physical and biological sciences.

Requirements in a physical science field of concentration: Forty credits of advanced work in the physical sciences during the junior and senior years including the Major work. Prerequisites: Chemistry 1a, 1b, 25a, 25b, and mathematics through calculus. Required: Chemistry 130a, 130b, 133, 140a, 140b, 144a, 144b, 110a, 110b, 111, 188a, 188b, and eleven credits to be chosen from the field of physical science. Two years of German.

Requirements in a combined physical-biological science field of concentration: Forty credits in courses above the freshman level in the combined fields of physical and biological sciences during the junior and senior years, including the Major field. Six hours of education may be included. Prerequisites: Chemistry 1a and 1b; Chemistry 22 or 25a. Required: 130a, 130b, 143 or 140a, 140b, with 144a, 144b, Physics 1a, b or 3a, b and sufficient courses in the biological and physical sciences to make forty credits.

LOWER DIVISION REQUIREMENTS - See Page 7

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

*1a	Gen Chem, Lec & Rec	5	M-F	3	KH 201	Staff
*1a	Gen Chem, Lab		MWF	4,5	KH 101	Staff
*1a	Gen Chem, Lab		F	6	KH 101	Staff
	Prereq: proficiency in Arithmetic and Algebra					
*1b	Gen Chem, Lec & Rec	5	M-F	5	KH 201	Staff
*1b	Gen Chem, Lab		MWF	2,3	KH 101	Staff
*1b	Gen Chem, Lab		F	4	KH 101	Staff
	Prereq: Chem 1a					
*4a	Gen Chem for Stud in Agr and Home Econ, Lec & Rec	4	M-F	3	KH 201	Staff
*4a	Gen Chem for Stud in Agr and Home Econ, Lab		TTh	4,5	KH 101	Staff
	Prereq: proficiency in Arithmetic and elementary Algebra					
*4b	Gen Chem for Stud in Agr and Home Econ, Lec & Rec	4	M-F	2	KH 201	Staff

* Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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CHEMISTRY - cont.

*4b	Gen Chem for Stud in Agr and Home Econ, Lab Prereq: Chem 4a		TTh	6,7	KH 101	Staff
22	Anal Chem, Lec	5	MTThF	2	KH 111	Hammaker
22	Anal Chem, Lab Prereq: Chem 1b, 2b, or 4b		MTThF	3-5	KH 113	Hammaker
25b	Anal Chem, Lec	5	MTThF	6	KH 111	Wagner
25b	Anal Chem, Lab Prereq: Chem 25a		MTThF	7-9	KH 113	Wagner
30a	Organic Chem, Lec & Rec	5	By Appt		KH 214	Barkenbus
30a	Organic Chem, Lab Prereq: Chem 1b or 2b		By Appt		KH 215	Barkenbus
37	Organic Chem, Lec	4	M-F	4	KH 209	Patterson
37	Organic Chem, Lab Prereq: Chem 1b, 2b, or 4b		TTh	5,6	KH 215	Patterson

Courses open only to Upper Division and Graduate Students

110a	Adv Inorganic Chem Prereq: Quant Anal and Organic Chem	2	MTThF	2	KH B-14	Ames
122	Instrumental Anal, Lec	3	2 hrs By Appt		KH 205	Wagner
122	Instrumental Anal, Lab Prereq: Chem 25b		12 hrs By Appt		KH 115	Wagner
125	Adv Quant Anal, Lec	3	2 hrs By Appt		KH 205	Wagner
125	Adv Quant Anal, Lab Prereq: Chem 25b		12 hrs By Appt		KH 115	Wagner
130a	Organic Chem, Lec	5	M-F	2	KH 214	Barkenbus
130a	Organic Chem, Lab Prereq: Chem 1b or 2b		MTThF	3,4	KH 215	Barkenbus
133	Qual Organic Anal, Lec & Lab Prereq: Chem 30b or 130b	3	18 hrs By Appt		KH 215	Barkenbus
145	Colloid Chemistry Prereq: Chem 140b	2	TThFS	4	KH B-14	Black
160a	Ind Chem Processes & Stoich Prereq: Chem 140b	2	TThFS	5	KH 205	Meadow
181	Chemical Lit Prereq: Junior or Senior standing	1	WS	2	KH 111	Black

Courses open only to Graduate Students

221	Seminicro Quant Anal, Lec	3	2 hrs By Appt		KH 111	Hammaker
221	Seminicro Quant Anal, Lab Prereq: Chem 140b		12 hrs By Appt		KH 113	Hammaker
290a-1	Res in Chem	5 ea	15 hrs By Appt		KH Arr	Staff
339a	Topics in Organic Chem Prereq: Chem 130b	2	MTThF	2	KH 209	Barkenbus

ECONOMICS

Economics Majors see Professor L. H. Carter, College of Commerce

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Economics 51 and 52. Required: A minimum of 18 credits of advanced work in Economics. In addition tutorial course 16 must be taken in the senior year to prepare for the required comprehensive examination.

LOWER DIVISION REQUIREMENTS - See Page 7

*3	Econ Hist of the U S	3	M-F	2	WH 102	Jennings
*7a	Prin of Acctg, Rec Lab	4	MW TThF	1,2 1,2	WH 306 WH 306	Speck Speck
*7b	Prin of Acctg, Rec Lab	4	MW TThF	3,4 3,4	WH 306 WH 306	Tolman Tolman

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>ECONOMICS - cont.</u>						
51	Prin of Econ	3	M-F	5	WH 102	Christian
52	Prin of Econ Prereq: Econ 51	3	M-F	2	WH 101	Pearce
Courses open only to Upper Division and Graduate Students						
102	Labor Econ Prereq: Econ 52	3	M-F	4	WH 101	Cojeen
103	Transportation Prereq: Econ 52	3	M-F	2	WH 207	Tolman
104	Pub Finance Prereq: Econ 52	3	M-F	2	SS	Hargreaves
105	Money and Banking Prereq: Econ 52	3	M-F	3	SS	Masten
107	Statistical Method	3	M-Th	1,2	WH 401	Christian
110	Bus Cycles Prereq: Econ 52 and an elementary course in statistics	3	M-F	2	SS	Haynes
112a-f	Indiv Work in Econ	1 ea	By Appt			Staff
115	Value and Distribution Theory	3	M-F	4	WH 207	Pearce
143	Life Insurance Prereq: Econ 52	3	M-F	1	WH 103	Massie
147	Am Bus Leaders Prereq: Econ 3 or consent of instructor	2	M-Th	4	WH 102	Jennings
148	Eur Bus Leaders Prereq: Econ 2 or consent of instructor	1	M,Th	5	WH 207	Jennings
167	Tutorial Work in Econ	1	By Appt			Carter
Courses open only to Graduate Students						
202a-f	Seminar	1 ea	By Appt			Carpenter
203	Hist of Econ Thought Prereq: Econ 52	3	M-F	3	SS	Hargreaves
211	Adv Money and Banking	3	M-F	4	SS	Masten
212a-f	Res Prob in Econ	1 ea	By Appt			Staff

ENGLISH, SPEECH, AND DRAMATIC ARTS

W. S. Ward, Head of Department, Fine Arts Building 109

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the Major work.

Requirements for a Major. Prerequisites: English 1a, 1b, 3a, 3b. Required: A minimum of twenty-four credits of advanced work in English.

LOWER DIVISION REQUIREMENTS - See Page 7

*1a-1	Eng Comp	3	T-S	2	McVH 231	
*1a-2	Eng Comp	3	M-F	2	McVH 207	
*1a-3	Eng Comp	3	M-F	3	McVH 209	
*1a-4	Eng Comp	3	M-F	4	McVH 209	
*1b-1	Eng Comp	3	M-F	2	McVH 209	
*1b-2	Eng Comp	3	T-S	4	McVH 207	
†3a	Surv of Eng Lit	3	M-F	4	McVH 200	Moore
†3b	Surv of Eng Lit	3	M-F	2	McVH 206	Cooke
*6-1	Essen of Speech	3	M-F	2	FA 226	Sterrett
*6-2	Essen of Speech	3	M-F	4	FA 226	Robinson
†30	Bus Eng	2	M-Th	2	McVH 203	Cutler
†32	Voice Develop	3	M-F	4	FA 224	
*36	Staging Techn	2	MTThF	6	FA GuigShop	Rhodes
	Staging Techn, Lab		MTThF	7	FA GuigShop	Rhodes
†60	Adv Comp	3	M-F	3	McVH 200	Jacobs

* Open to Freshmen

† Prerequisite Eng 1a,b

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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ENGLISH, SPEECH, AND DRAMATIC ARTS - cont.

Courses open only to Upper Division and Graduate Students

#102	Mod British & Am Eng	3	M-F	4	McVH 203	Cutler
107a	Victorian Poets	3	M-F	3	McVH 203	Shine
	Prereq: Eng 1a,b; 3a,b					
110b	Shakespeare: The Tragedies	3	M-F	3	McVH 204	Black
	Prereq: Eng 1a,b; 3a,b					
137	Stage Prod in Sch and Community	3	M-F	5	FA Lab Th	Briggs
138	Adv Oral Interpretation	3	M-F	4	FA 222	Sterrett
	Prereq: Eng 38 or consent of Instructor					
149	Amer Folklore	3	M-F	5	McVH 209	Jansen
	Prereq: Eng 1a,b; 3a,b					
153	Drama of the Restoration & 18th Century	3	M-F	4	McVH 206	Cooke
	Prereq: Eng 1a,b; 3a,b					
155b	Contemporary British Poetry	3	M-F	2	McVH 200	Moore
172	Writing the One-Act Play	3	M-F	6	FA 222	Robinson

Courses open only to Graduate Students

210	Seminar: Bibliographical Studies	3	M-F	2	McVH 204	Brady
217d	Seminar: Studies in Contemp Am Lit	3	M-F	5	McVH 200	Jacobs

GEOGRAPHY

J. R. Schwendeman, Head of Department, Social Science 226

UPPER DIVISION REQUIREMENTS: Junior and Senior Years

Requirements in the Field of Concentration: Forty credits, including the Major work in advanced courses in the field of social studies, and certain closely allied physical science fields.

Requirements for a Major. Prerequisites: Geography 1, 2, 3a-b or 10. Requirements: A minimum of 18 credits of advanced work in Geography varied according to the curriculum elected by the students, but including at least three credits in Geography 132a-d.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

*2	Regional Geog of the World	3	M-F	4	SS 229	Field
††*3a	Societies Around the World	3	M-F	2	SS 231	Field
†*3b	Societies Around the World	3	T-S	1	SS 203	Schwendeman
*10	Economic Geog Survey	3	M-F	3	SS 228	Jacobsen

Courses open only to Upper Division and Graduate Students

102	Regional Geog of Latin America	2	M-Th	2	SS 229	Schwendeman
	Prereq: One geography course					
103	Regional Geog of Europe	2	T-F	2	SS 228	Jacobsen
	Prereq: one geography course					
132a-d	Indp Work (Majors only)	3 ea	By Appt		SS 226	Staff
	Prereq: Major and a standing of 2.0 in the dept					
133c	Special Prob (Latin America)	1	By Appt		SS 229	Schwendeman
133d	Special Prob (Europe)	1	By Appt	1	SS 228	Jacobsen

Mexico Courses

30a,b	Introductory Field Studies	3 ea	International Cooperative Summer School in			
130a,b	Intermed Field Studies	3 ea	Geography at the Instituto Tecnológico in			
230a,b	Adv Field Studies	3 ea	Monterrey, Mexico (Shear)			
	Note: This field program, Geog 30-130-230, is given at Monterrey, Mexico in cooperation with the Instituto Tecnológico. It is a six week summer school in Monterrey, Mexico and the time out in Lexington will be from July 9 to August 28. All students intending to enroll for					

*Open to Freshmen

† Same as Sociology 3b

†† Same as Anthropology and Sociology 3a

#Prereq: Eng 1a,b

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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GEOGRAPHY - cont.

this International Cooperative Summer School in Geography must first be regularly enrolled in the University of Kentucky summer school for 6 hours work. Additional work in Lower Division subjects may be taken in Monterrey. The all-expense cost of the summer school in Monterrey is \$230.00. This does not include the transportation costs to and from Monterrey of \$35.00 from Lexington and return, nor the registration at the University of Kentucky. Scholarships covering all or part of the expense are available. If interested write at once to the Department of Geography University of Kentucky, Lexington.

GEOLOGY

A. C. McFarlan, Head of Department, Miller 209

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits in the field of Physical and Biological Sciences, including the Major work, in courses not open to Freshmen.

Requirements for a Major: Geology 10a,b; 30a,b; 101a,b; 112, 107a,b; 123a,b; 126a,b; 118a; 129; 130; Field Work; A summer field course, Geology 118a is required of major students for graduation. Local field work is offered through the year. Comprehensive examination in senior year.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

*3	Elem Geology	3	MTTh	2	MH 108	Stokley, J.A.
3-11	Lab Conf		WF	2	MH 101A	Stokley
12a	Elem Geology for Engr	3	MTTh	2	MH 108	Stokley
12a-11	Lab Conf		WF	2	MH 101A	Stokley
*50a	Outlines of Geology	3	M-F	3	MH 108	Stokley
†23a,b	Elem Field Wk in Regional Geology	6 ea	June 18 to August 13			McFarlan, A.C. Brown, W.R.
	Prereq: Elementary geology					

Courses open only to Upper Division and Graduate Students

†118a,b	Field Camp near Crested Butte, Colorado Field Wk in Regional Geology	8 ea	June 18 to August 13			McFarlan Brown
	Prereq: Geol 30a,b					
†C118a,b	Field Wk in Regional Geology	6 ea	June 18 to August 13			McFarlan Brown
	Prereq: Geol 30a,b					

HISTORY

Thomas D. Clark, Head of Department, Frazee 203

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours in advanced work in the field of social or humanistic studies, during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: History 2a and 2b, or 4a and 4b, or 5a and 5b. Required: A minimum of 18 semester hours of advanced courses in History plus the Senior Seminar.

LOWER DIVISION REQUIREMENTS - See Page 7

*4a	Mod Eur to the Fr Rev	3	M-F	2	FH 204	Lunde
*4b	Mod Eur since the Fr Rev	3	M-F	3	FH 204	Lunde
*5a-1	Hist of the U S thru 1865	3	M-F	1	FH 204	Gilliam
*5a-2	Hist of the U S thru 1865	3	M-F	3	FH 201	Taylor
*5a-3	Hist of the U S thru 1865	3	T-S	3	FH 301	Kirwin

*Open to Freshmen

†See Special Announcement

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>HISTORY - cont.</u>						
*5b-1	Hist of the U S since 1865	3	M-F	2	FH 202	Wall
*5b-2	Hist of the U S since 1865	3	M-F	4	FH 202	Taylor
40	Hist of Ky	3	M-F	3	FH 302	Hopkins
Courses open only to Upper Division and Graduate Students						
100b	The Diplomacy & Foreign Policy of the U S since 1898	3	M-F	5	FH 201	Hopkins
	Prereq: Hist 5b or equiv					
120	Eur in the 20th Century	3	M-F	3	FH 202	Kraeche
124a	Social and Cultural Hist of the U S to 1865	3	M-F	4	FH 201	England
146	Recent Hist of the U S 1877-1901	3	M-F	1	FH 202	Wall
	Prereq: Hist 5a,b or equiv					
180a	Hist of the Old South	3	M-F	2	FH 201	Eaton
	Prereq: Hist 5a					
180b	The South in the Civil War and Reconstruction	3	T-S	4	FH 301	Kirwin
Courses open only to Graduate Students						
320b	Seminar in Mod Eur Hist	3	TTh	8,9	FH 201	Kraeche
366	Reconstruction	3	MW	8,9	FH 201	Eaton

HUMANITIES

G. K. Brady, Chairman

To satisfy the lower division requirements in the humanities, students in the College of Arts and Sciences must earn four credits in literature and philosophy (Humanities A, B, or C) and two credits in Art and Music (Humanities D or E). These courses should be taken during the sophomore year, and two courses from A, B, or C may not be taken simultaneously.

A	Classicism: Graceo-Roman; Mod Eur	2	MTThF	2	FH 205	Kuiper
	Prereq: Sophomore standing					
B	The Renaiss: Romanticism	2	MTThF	3	MH 302	Hegeman
	Prereq: Sophomore standing					
C	Realism and Naturalism: The Contemp	2	MTThF	4		Adler
	Prereq: Sophomore standing					
D	Art: The Renaiss to the Present	2	MTThF	3	FA 208	Rannells
	Prereq: Sophomore standing					
E	Music: The Renaiss to the Present	2	M-F	4	FA 17	Prindl
	Prereq: Sophomore standing					

HYGIENE AND PUBLIC HEALTH

J. S. Chambers, Head of Department, Health 105

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits in the field of Biological Sciences and Social Studies (Sociology, Social Work, Psychology, Political Science), including the Major work, in the courses not open to Freshmen.

Requirements for a Major. Prerequisites: 12 credits in the Biological Sciences. Required: A minimum of 15 credits of advanced work in Hygiene and Public Health.

LOWER DIVISION REQUIREMENTS - See Page 7

*9	Fund of Hlth	2	M-Th	3	FB 125	Hamilton
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*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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HYGIENE AND PUBLIC HEALTH - cont.

Courses open only to Upper Division and Graduate Students

100a	Pub Hlth	3	M-F	4	FB 125	Hamilton
100b	Pub Hlth	3	M-F	3	FB B-8	Heinz
110	Hlth Ed	3	M-F	4	FB B-8	Heinz

Courses open only to Graduate Students

200	Epidemiology	3	By Appt		HB 105	Hamilton
212a	Pub Hlth Adm	3	By Appt		HB 104	Heinz
290	Seminar	1	F	8,9	HB 104	Staff

SCHOOL OF JOURNALISM

Niel Plummer, Director, Enoch Grehan Journalism 116

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours in courses not open to Freshmen, including the major work, in either the field of Social Studies or that of Literature, Philosophy and the Arts, during the Junior and Senior years.

Requirements for a Major: Prerequisites: Journalism, six to eight hours. Required: Journalism 100a, b, 101, 105, 106, 107, 108, 109, 114, 123, and 127.

The Degree of A. B. in Journalism. Four sequences leading to the degree of A. B. in Journalism are outlined in the general catalog.

Comprehensive Examinations. Majors and candidates for the degree in Journalism are required to pass a final comprehensive examination at the end of the Senior year.

LOWER DIVISION REQUIREMENTS - See Page 7

10	Survey of Journ	3	M-F	3	EGJ 112	McCauley
21	Etymology	3	M-F	1	EGJ 112	Plummer

Courses open only to Upper Division and Graduate Students

110	Supervision of High School Publications	3	M-F	2	EGJ 112	Portmann
114	Newspaper Advg and Promotion	3	M-F	3	EGJ 206	Portmann
118	Pub Relations	3	M-F	4	EGJ 112	McCauley

LIBRARY SCIENCE

E. J. Humeston, Jr., Head of Department, King Library 416

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, or acceptable equivalent, including the Major work.

Requirements for a Major. Prerequisites: Junior or Senior standing, with average scholastic record for the first two college years. Prospective majors should consult with the Head of the Department regarding courses to be taken during the first two years of college. A broad academic program is recommended. Required: A minimum of 21 semester hours.

LOWER DIVISION REQUIREMENTS - See Page 7

Courses open only to Upper Division and Graduate Students

101a-d	Indp Work	1 ea	By Appt		KL 416	Staff
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Prereq: Major and a standing of 2.0 in the dept

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>LIBRARY SCIENCE - cont.</u>						
110	The Library in the School	3	M-F	2	KL 314	
121	Libraries and Librarianship	3	M-F	3	KL 314	
127a	Bks and Related Mat for Children and Young People	3	M-F	6	KL 314	Wofford
129	Cataloging and Classification	3	M-F	7	KL 314	Lecky
133a	Reference and Bibliography	3	M-F	1	KL 314	Humeston
139	Library Practice	3	By Appt			Roser
145	Org of Library Mat	3	M-F	4	KL 314	Wofford
152	Bk Select	3	T-S	1		Martin
186	Visual Tchg	3	M-F	1	TEB	
Courses open only to Graduate Students						
212	The Pub Library ^x	2	T-F	3		Martin
242	Hist of Books	2	M-Th	4		Lecky
250	Adult Reading Guidance ^x	3	T-S	3		Martin
254	Seminar	2	M-Th	2		Humeston

MATHEMATICS AND ASTRONOMY

M. C. Brown - Acting Head of Department McVey 121

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Physical Science during the Junior and Senior years, including the Major work.

Requirements for a Major: Prerequisites: Mathematics and Astronomy 2, 5, or 17, 18, 19, 20a, 20b. Required: A minimum of 18 credits of advanced work in mathematics, including Mathematics and Astronomy 25, 26, 27, and one course in Applications.

Requirements for Graduate Work: Graduate students must have had at least 12 credits of mathematics beyond integral calculus before counting work toward an advanced degree.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

Mathematics

*1-1	Basic Math	3	T-S	1	McVH 129	Cornelison
*1-2	Basic Math	3	M-F	4	McVH 129	Sprague
*2	Solid Geom	3	M-F	5	McVH 106	Leser
	Prereq: 1 unit high school plane geometry					
*5-1	Coll Algebra	5	T-S	1,2	McVH 103	Swift
*5-2	Coll Algebra	5	M-F	3,4	McVH 104	Zaring
	Prereq: M & A 1 or a score of F or G on University Placement Test					
*15	Math of Finance	3	M-F	3	McVH 103	Wells
	Prereq: M & A 5 or 17					
*17-1	Coll Algebra	3	M-F	3	McVH 129	Vanaman
*17-2	Coll Algebra	3	M-F	2	McVH 104	Ward
	Prereq: 1 unit high school algebra and a score of E on University Placement Test					
*18-1	Plane Trig	3	M-F	1	McVH 65	Vanaman
*18-2	Plane Trig	3	M-F	2	McVH 107	D. Rose
	Prereq: 1 unit high school plane geometry and M&A 5 or a score of E on University Placement Test					
*19-1	Plane Anal Geom	3	M-F	2	McVH 129	Goodman
*19-2	Plane Anal Geom	3	M-F	3	McVH 107	
	Prereq: M & A 5 or 17 and 18					
4	Elem Th of Statistics	3	M-F	4	McVH 103	Wells
	Prereq: 1-1/2 units high school algebra or M & A or 17					
20a	Diff Calc	4	M-F	1	McVH 107	Ripy
			T-F	5	McVH 107	Ripy
	Prereq: M & A or 1/2 unit of high school geom and M & A 19					

*Open to Freshmen

x Only one of the two courses so marked will be offered. Decision will be based on needs of students enrolled.

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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MATHEMATICS AND ASTRONOMY - cont.

Mathematics - cont.

20b	Int Calc	4	M-F TTh	5 6	McVH 104 McVH 104	Burnette Burnette
	Prereq: M & A 20a					
35	Diff Equas for Engrs	2	MThF	5	McVH 103	Brown
	Prereq: M & A 20b					

Courses open to Upper Division and Graduate Students

Consult the instructor for prerequisite for the following courses

25	Intermed Calc	3	M-F	3	McVH 65	Downing
103	Theory of Equas	3	M-F	2	McVH 65	Downing
105a	Diff Equas	3	M-F	4	McVH 129	Leser
129	Probability	3	M-F	2	McVH 106	
141	Intro to Theory of Numbers	3	M-F	1	McVH 104	Ward

Courses open only to Graduate Students

213	Fourier Series	3	M-F	3	McVH 106	
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Astronomy

*51a	Descrip Astronomy	3	M-F	1	McVH 106	D. Rose
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MODERN FOREIGN LANGUAGES AND LITERATURES

A. E. Bigge, Head of Department, Miller 303-A

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits in the field of Literature, Philosophy, and the Arts, including the major work, in courses not open to freshmen. With the approval of the head of the department and the dean, courses in related fields may be counted in the field of concentration.

Regulations Relating to Foreign Language Study: It is inadvisable for a student to begin the study of two foreign languages at the same time. The student who presents one unit of high school foreign language will be permitted to enroll in first year work for full credit. Those who presents two units may enroll in first year work and will receive full credit if at least a B standing is made in each semester of this course.

All appointment students will meet in Room 310, Miller Hall, at 3:00 on Wednesday June 23.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

French Language and Literature

Requirements for a Major. Prerequisites: Junior standing; 12 hours of English, MFL 1a, 1b, 2a, 2b, 81a, 81b or 51a, 51b; 3a, 3b or 5a, 5b. Required: A minimum of 17 credits of advanced work in French; MFL 191a,b. Comprehensive examination in the senior year.

Cl a	Elem French (for Reading Knowledge)	0	M-F	4	MH 307	Rea
*1a	Elem French	3	M-F	4	MH 307	Rea
*1b	Elem French	3	M-F	4	MH 310	Walker
	Prereq: MFL 1a or one year of high school French					
2a	Intermed French	3	M-F	5	MH 309	Ryland
	Prereq: MFL 1a,b or three years of high school French					

* Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>MODERN FOREIGN LANGUAGES AND LITERATURES - cont.</u>						
<u>French Language and Literature</u>						
3a	French Conversation and Comp Prereq: MFL 2a,b	2	TTh	7,8	MH 306B	Ryland
Courses open only to Upper Division and Graduate Students						
105b	French Lit of the XVIII Cent Prereq: MFL 4a,b	3	M-F	3	MH 306B	Walker
107a	Adv French Conversation Prereq: MFL 3a,b or 5a,b	2	TTh	7,8	MH 306B	Ryland
108a-d	Indp Work in French Prereq: Major and a standing of 2.0 in the dept	3 ea	By Appt		MH	Staff
Courses open only to Graduate Students						
291a,b	Romance Philology Prereq: MFL 202a or 281a or equiv	3 ea	By Appt		MH 308	Rea
<u>German Language and Literature</u>						
<u>Requirements for a Major. Prerequisites: Junior standing, 21a,b, 22a,b Required: A minimum of 18 credits of work in German, independent of Junior and Senior Tutorial Courses. Majors must pass a final comprehensive examination.</u>						
*21a-1	Elem German	3	M-F	5	MH 310	Binger
*21a-2	Elem German	3	M-F	4	MH 302	Whitaker
C21a	Elem German	0	M-W	7-9 pm	FA 2	Binger
This course is designed to meet the needs of upper division and graduate students who are preparing for the graduate reading examination. There is no prerequisite.						
*21b	Simple German Read and Pronunc Prereq: MFL 21a or 1 high school unit	3	M-F	2	MH 309	Hegeman
22a	German Translation and Rapid Read Prereq: MFL 21b	3	T-S	2	MH 302	Bigge
22b	German Translation and Rapid Read Prereq: MFL 22a	3	T-S	2	MH 308	Whitaker
23a,b	Readings in Medical German Prereq: MFL 21b	3 ea	M-F	1	MH 302	Ubben
24a,b	Readings in Chem German Prereq: MFL 21b	3 ea	M-F	3	MH 310	Whitaker
*25	Elem Aural-Oral Practice	1	W-S	3	MH 309	Ubben
27a,b	Elem German Conversation and Comp Prereq: MFL 21b or approval of the department	3	M-F	2	MH 310	Ubben
28b	Intro to Mod German Lit Prereq: MFL 22b	3	M-F	4	MH 303A	Bigge
29	Surv of German Lit in English Translation	2	MTThF	5	MH 302	Hegeman
Courses open only to Upper Division and Graduate Students						
121a-d	Indp Work in German Prereq: Major and a standing of 2.0 in the dept	3 ea	By Appt		MH	Staff
130	Proseminar in Sudermann Prereq: MFL 28a or 28b	3	T-S	4	MH 314A	Whitaker
<u>Spanish Language and Literature</u>						
<u>Requirements for a Major. Prerequisites: Junior standing, 12 hours of English, MFL 81a-b, 82a-b; 1a-b, or 51a-b, 85a-b. Required: A minimum of 17 credits of advanced work in Spanish; MFL 191c-d. Comprehensive examination in the senior year.</u>						

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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MODERN FOREIGN LANGUAGES AND LITERATURES - cont.

Spanish Language and Literature

*81a	Elem Spanish	3	M-F	2	MH 307	Server
*81b	Elem Spanish	3	M-F	3	MH 307	Hernandez
82a	Prereq: MFL 81a or one year of high school Spanish Intermed Spanish	3	M-F	4	MH 309	Hernandez
	Prereq: 81a,b or two years of high school Spanish					

Courses open only to Upper Division and Graduate Students

183a	Spanish Lit of the XX Cent	3	M-F	2	MH 306B	Server
	Prereq: MFL 84a,b					
186a-d	Indp Work in Spanish	3 ea	By Appt		MH	Staff
	Prereq: Major and a standing of 2.0 in the dept					

MUSIC

Edwin E. Stein, Head of Department, Fine Arts 16a

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours of advance work in the field of Literature, Philosophy, and the Arts during the Junior and Senior years including the Major work.

Requirements for a Major. Prerequisites: Junior standing: Humanities E: Music 11a,b: 51a,b: 52a,b: 53a,b: Applied Music - 8 to 12 semester hours. Required: A minimum of 30 semester hours of advanced work in music as prescribed by the Department of Music. All Music Majors are required to take part in two performing organizations each semester. A comprehensive is required in the senior year.

Fees for Applied Music: All applied music (Piano, voice, organ, instrumental) requires a fee of \$25 for two one-half hour lessons per week. Practice room fee is \$6 per summer term. Rental of instruments for use in Music 46 courses is \$3 per summer term, payable by veterans and non-veterans. All fees are due before instruction begins at the beginning of the Summer Term.

Note: Enrollment fee for non-University students (in addition to the above fees) is \$5.25 per credit hour.

LOWER DIVISION REQUIREMENTS - See Page 7

*4b	Pub Sch Music (for non-music Majors)	2	M-Th	4	FA 6	Lewis
	Prereq: Music 4a					
*46h	Class Instruct in Oboe	1	By Appt		FA 22	W. Lutz
*46j	Class Instruct in French Horn	1	By Appt		FA 22	
*49a-1	University Chorus	1 ea	M-Th	8	FA 6	King
*15a-q	Appl Music - Piano	2 ea	By Appt		FA 145 147	Montgomery Patch
*C15a-q	Appl Music - Piano	1 ea	By Appt		FA 145 147	Montgomery Patch
*16a-q	Appl Music - Strings	2 ea	By Appt		FA 25 27	Rabin Kinney
*C16a-q	Appl Music - Strings	1 ea	By Appt		FA 25 27	Rabin Kinney
*17a-q	Appl Music - Voice	2 ea	By Appt		FA 139 141 151	Kiviniemi King
*C17a-q	Appl Music - Voice	1 ea	By Appt		FA 139 141 151	Kiviniemi King
*18a-q	Appl Music - Organ	2 ea	By Appt		FA 130	Blackburn
*C18a-q	Appl Music - Organ	1 ea	By Appt		FA 130	Blackburn

* Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>MUSIC</u> - cont.						
*31a-q	Appl Music - Woodwind Instruments	2 ea	By Appt		FA 16 20	Stein W. Lutz
*C31a-q	Appl Music - Woodwind Instruments	1 ea	By Appt		FA 16 20	Stein W. Lutz
*32a-q	Appl Music - Brass & Percussion Instruments	2 ea	By Appt		FA 31 33	Prindl
*C32a-q	Appl Music - Brass & Percussion Instruments	1 ea	By Appt		FA 31 33	Prindl
Courses open only to Upper Division and Graduate Students						
102a	Vocal Pedagogy	2	M-Th	7	FA 4	Kiviniemi
106a	Piano Lit	2	M-Th	3	FA 2	Patch
107a	Vocal Lit	2	By Appt		FA 2	King
110	Res Prob in Pedagogy of Theory Prereq: Music 53a,b	2	By Appt		FA 2	Kinney
118	Marching Band Tech	2	M-Th	6	FA 20	W. Lutz
119a	Composition	2	By Appt		FA 27	Kinney
120b	Surv of Music Lit (for non-music Majors) Prereq: Hum E or consent of instructor	2	M-Th	3	FA 4	Rabin
123	Surv of Contemp Music	2	M-Th	5	FA 6	Kinney
124a-c	Opera Workshop	1 ea	M-Th	8	FA 17	Kiviniemi
Courses open only to Graduate Students						
203	Choral Lit and Tech	2	M-Th	6	FA 2	Lewis
204	Adv Band Tech	2	By Appt		FA 33	Prindl
206	17th & 18th Century Music	2	M-Th	5	FA 4	Stein
214	Adv Instrumental Conducting	2	By Appt		FA 25	Rabin
215a-h	Appl Music - Piano Prereq: Eight credits of undergraduate accredited study in Piano	2 ea	By Appt		FA 145 147	Montgomery Patch
C215a-h	Appl Music - Piano Prereq: Eight credits of undergraduate accredited study in Piano	1 ea	By Appt		FA 145 147	Montgomery Patch
216a-h	Appl Music - Strings Prereq: Eight credits of accredited undergraduate study on the string instruments in which graduate work is desired.	2 ea	By Appt		FA 25	Rabin
C216a-h	Appl Music - Strings Prereq: Eight credits of accredited undergraduate study on the string instrument in which graduate work is desired	1 ea	By Appt		FA 25 27	Rabin Kinney
217a-h	Appl Music - Voice Prereq: Eight credits of accredited undergraduate study in Voice	2 ea	By Appt		FA 139 141	Kiviniemi King
C217a-h	Appl Music - Voice Prereq: Eight credits of accredited undergraduate study in Voice	1 ea	By Appt		FA 139 141	Kiviniemi
218a-h	Appl Music - Organ Prereq: Eight credits of accredited undergraduate study in Organ	2 ea	By Appt		FA 130	Blackburn
C218a-h	Appl Music - Organ Prereq: Eight credits of accredited undergraduate study in Organ	1 ea	By Appt		FA 130	Blackburn
231a-h	Appl Music - Woodwind Instruments Prereq: Eight credits of accredited undergraduate study in the Woodwind Instrument in which graduate work is desired	2 ea	By Appt		FA 16 20	Stein W. Lutz
C231a-h	Appl Music - Woodwind Instruments	1 ea	By Appt		FA 16 20	Stein W. Lutz
232a-h	Appl Music - Brass & Percussion Instruments Prereq: Eight credits of accredited undergraduate study	2 ea	By Appt		FA 31 33	Prindl

* Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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MUSIC - cont.

C232a-h	Appl Music - Brass & Percussion Instruments	1 ea	By Appt		FA 31	
	Prereq: Eight credits of accredited undergraduate study				33	Prindl
220	Res Meth	2	By Appt		FA 16	Stein
224a	Adv Musical Anal	2	M-Th	4	FA 2	Kinney
243	Adv Meth and Materials in Music Ed	2	M-Th	3	FA 6	
244	Hist and Phil of Music Ed	2	M-Th	1	FA 4	

Music Short Courses are listed on Page 44

PHILOSOPHY

John Kuiper, Head of Department, Frazee 103

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits in courses not open to Freshmen, which may be elected in either the field of Literature, Philosophy and the Arts, or the field of Social Studies.

Requirements for a Major. Prerequisites: Six credits in Philosophy including Philosophy 21. Required: A minimum of 15 credits in Philosophy, Philosophy 35a,b, and a comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS - See Page 7

21	Intro to Phil	3	M-F	4	FH 205	Kuiper
	Courses open only to Upper Division and Graduate Students					
118	Plato and Aristotle	3	M-F	3	FH 205	DeBoer
120	Great Religions	3	M-F	5	FH 205	DeBoer

PHYSICAL EDUCATION

Don Cash Seaton, Head of Department, Alumni Gymnasium

LOWER DIVISION REQUIREMENTS - See Page 7

SERVICE (Required) COURSES

1*	Physical Education	1				(Listed in sections below)
2*	Physical Education	1				(Students must take physical education for two semesters. They must sign up for Physical Education 1 their first semester, and Physical Education 2 their second semester. (After that they may elect Physical Education 3-6 in succeeding semesters).
3	Physical Education	1				
	Prereq: PE 1,2	1				
4	Physical Education	1				
	Prereq: PE 1,2,3	1				
5	Physical Education	1				
	Prereq: PE 1,2,3,4	1				
6	Physical Education	1				
	Prereq: PE 1,2,3,4,5	1				
-1	Folk Dance, Inter Swimming	1	MWTh	8,9	WG	Lewis, Reece
-2	Inter Swimming, Tennis	1	MWTh	3,4	MC Pool	Reece, Karsner
-3	Beginning Swimming	1	MWTh	1,2	MC Pool	Staff
-4	Archery, Badminton	1	MWTh	6,7	AG	Karsner
-5	Horseback Riding, Horsemanship	1	By Appt		AG 3	Ryen

PROFESSIONAL COURSES

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences, including the Major work.

Requirements for a Major. Prerequisites: For Men and Women - Zoology 1; Sociol-

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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PHYSICAL EDUCATION - cont.

ogy 3a or 3b; or 40; English 6; Hygiene 9; Physical Education 40. For Women - Physical Education 46, 47, 49, 57. For Men - Physical Education 41, 42, 43, 45, 56. Required: For Men and Women - English 159 or 32; Anatomy and Physiology 4 and 5; Home Economics 101; Hygiene 110; Physical Education 51, 61, 62a,b, 80, 143, 140, 165, 172, 180. For Women: Hygiene 7; Physical Education 53, 90, 190. For Men: Physical Education 52, 70. (For Teaching Certificate: Education 148, C-147, 105, 169a,b, Physical Education 60, 144. Only 6 hours of Education count in Field on Concentration and A&S. It is recommended that the student seeking a teaching certificate elect a second teaching field in addition to Physical Education and that he consult with his or her adviser early in the Freshman year.)

49	Indiv Sports for Women (Tennis, Golf)	2	M-Th	4,5	WG	Johnson
51	Co-Recreational Activities (Bowling, Archery, Bad)	3	M-F	1,2	AG	Karsner
52	Swimming & Diving (for Men) Prereq: Special Skill Test	2	M-Th	6,7	MC	Reece
53	Swimming & Diving (for Women) Prereq: Special Skill Test	2	M-Th	6,7	MC	Reece

Courses open only to Upper Division and Graduate Students

60	Phy Ed in the Elem School	3	M-F	4	WG	Carr
85	Jumping (Horseback) Prereq: PE 1-16 or consent of instructor	1	Lab By Appt		AG 3	Ryen
C86	Equestrian Dressage Prereq: Horsemanship or equiv	1	Lab By Appt		AG 3	Ryen
87	Intermed Dressage Prereq: PE 86 or consent of instructor	1	Lab By Appt		AG 3	Ryen
140	Org & Adm of Phy Ed	3	M-F	2	AG 106	Carr
143	Hist & Prin of Phy Ed	3	T-S	3	AG 106	Staff
144	Phy Ed in the Sec Sch	3	M-F	2	Ag 106	Johnson
154	Adv Aquatics (For Men) Prereq: A senior LS certificate or PE 52	1	By Appt		MC	Reece
155	Adv Aquatics (For Women) Prereq: A senior LS certificate or PE 53	1	By Appt		MC	Reece
158b	Sports Officiating for Men	1	By Appt		AG 107	Johnson
165	Safety in Phy Ed	2	M-Th	5	AG 106	Seaton
180	Adm & Org of Recreation	3	M-F	4	AG 2	Kauffman
181	Camping in Ed Prereq: PE 81 or permission of instructor	2	M-Th	2	AG 2	Kauffman
186	Equitation Teaching Prereq: Horsemanship and A I 5	2	W-S		AG 2	Ryen
195	Folk Dance Leadership For School and Community	2	M-Th	3	WG	Lewis

Courses open only to Graduate Students

240	Grad Seminar in Phy Ed	2	M-Th	1	AG 106	Hackensmith
241	Current Studies & Trends in Health & Phy Ed	3	By Appt		AG 3	Seaton
243	Prob in Adm of Athletics	2	By Appt	3	AG 107	Staff
244	Tests & Measurements in Health & Phys Ed	3	M-F	2	AG 101	Hackensmith
280	Prob in Recreation	2	By Appt	2	AG 2	Kauffman

PHYSICS

F. L. Yost, Head of Department, Pence 101

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Physical Sciences, including the Major work.

Requirements for a Major. Prerequisites: Physics 3a, 3b; Mathematics 17, 18, and

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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PHYSICS - cont.

19. Required: Mathematics 20a, 20b; a minimum of 19 credits of advanced work in Physics including at least two advanced laboratory courses; and a comprehensive examination in the Senior year.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

1a-1	Gen Elem Phys, Lec		TF	1	Pence 201	Koppius
1a-1	Gen Elem Phys, Rec	5	T-S	2	Pence 103	
1a-11	Gen Elem Phys, Lab		WThS	1	Pence 305	
Prereq: High School or College Alg, Plane Geom						
3a-1	Gen Coll Phys, Lec		TF	3	Pence 201	Koppius
3a-1	Gen Coll Phys, Rec	6	T-S	2	Pence 208	
3a-11	Gen Coll Phys, Lab		WThS	3,4	Pence 105	
			T	4		
Prereq: Math 17, 18, 19; Chem 1a,b or equiv Concur: Math 20a						
3b-1	Gen Coll Phys, Lec		MTh	2	Pence 201	Koppius
3b-1	Gen Coll Phys, Rec	6	M-F	3	Pence 103	
3b-11	Gen Coll Phys, Lab		TWF	1,2	Pence 107	
			Th	1		
Prereq: Phys 3a or equiv Concur: Math 20b						

Courses open only to Upper Division and Graduate Students

108	Light	3	M-F	5	Pence 208	
Prereq: Phys 3b and Math 20b						
111	Electricity and Magnetism	3	M-F	4	Pence 103	
Prereq: Phys 3b; Math 20b						
125a-d	Indep Work in Phys	3 ea	By Appt			Staff
Prereq: Major and a standing of 2.0 in the dept						

Other advanced or graduate courses will be offered if demand for them arises.

POLITICAL SCIENCE

Amry Vandebosch, Head of Department, Social Sciences 105

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies, during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Political Science 51 and Economics 51. Required: At least one course in each of four fields of Political Science, Political Science 190, minimum of 15 credits of advanced work in Political Science, and a thesis in the Senior year.

LOWER DIVISION REQUIREMENTS - See Page 7

*51	Am Govt	3	M-F	2	SS 118	Vanlandingham
Courses not open to Freshmen						
80	State Govt	3	M-F	4	SS 118	Vanlandingham
Courses open only to Upper Division and Graduate Students						
150	International Law	3	M-F	1	SS 132	Vandebosch
159b	Am Constitutional Develop	3	T-S	2	SS 132	Trimble
166	The United Nations	3	M-F	3	SS 132	Vandebosch
177a	Intro to Adm	3	M-F	3	SS 117	Kammerer
179	Pol Leadership	3	M-F	4	SS 129	Shannon

Courses Open only To Graduate Students

206	Spec Prob in Pub Adm	3	By Appt		SS 115	Kammerer
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*Open to Freshmen

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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POLITICAL SCIENCE - cont.

211	The Const and Civil Rights	3	By Appt		SS 115	Trimble
271	Contemp Pol Theory	3	By Appt		SS 115	Shannon

PSYCHOLOGY

James S. Calvin, Head of Department, Neville Hall 106

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: The student may choose as his field of concentration either the Biological Sciences or the Social Studies. In either case, forty credits of advanced work, including the Major work, must be completed during the Junior and Senior year.

Requirements for a Major. Prerequisites: Psychology 1. Required: A minimum of 15 credits of advanced work in psychology, and a comprehensive examination in the Senior year.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

Note: The student should enroll in one lecture-recitation and one laboratory section for Psychology 1

*1-1	Intro to Psy, Lec & Rec	4	M-F	4	NH 206	Meyers
*1-2	Intro to Psy, Lab		MW	6,7	NH 206	Meyers
*2	Appl Psy	3	M-F	1	NH 112	Mellenbruch
	Prereq: Psy 1					
7	Psy of the Child	3	M-F	2	NH 112	
	Prereq: Psy 1					
8	Indiv Differences	3	M-F	4	NH 112	Newbury
	Prereq: Psy 1					

Courses open only to Upper Division and Graduate Students

114	Abnormal Psy	3	T-S	3	NH 205	
	Prereq: Psy 1					
115	Genetic Psy	3	M-F	5	NH 112	Newbury
	Prereq: Psy 1					
127	Intro to Ind Psy	3	M-F	2	NH 206	Mellenbruch
	Prereq: Psy 1					
130a	Speech Correction: A Survey	3	M-F	3	PA 203	Diehl
	Prereq: Nine semester hours in Psy					
130b	Speech Correction: An Intro to Therapy	3	By Appt		PA 203	Diehl
	Prereq: Psy 130a or concurrent					

Courses open only to Graduate Students

203a-h	Prob in Psy	2 ea	By Appt		NH	Staff
210a-h	Res in Psy	3 ea	By Appt		NH	Staff
238	The Rorschach Test	4	M-Th	1,2	NH 205	Dimmick
	Prereq: Psy 219					
311a-d	Practicum in Stud Personnel	3 ea	By Appt		A 9	Croft, North
315a,b	Practicum in Speech Therapy	3 ea	By Appt		PA 203	Diehl
	Prereq: Psy 130a,b					
431a-p	Special Field Practicum	1 ea	By Appt		VA Hosp	Dimmick
	Open only to VA trainees in clinical psy					
500-1	Thesis	0	By Appt		NH	Staff
500-2	Thesis	0	By Appt		NH	Staff
500-3	Thesis	0	By Appt		NH	Staff

RADIO ARTS

Camille Halyard, Acting Head of Dept. McVey Hall, Radio Studios

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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RADIO ARTS - cont.

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in Field of Concentration: Forty credits in courses not open to Freshmen, including the Major work, in the field of Literature, Philosophy and the Arts, during the Junior and Senior years.

Requirements for a Major. Prerequisites: Radio Arts 1a,b. Required: Radio Arts 2a, 101, 102, 103, 105, 106a, 106b, 110 and 111. Comprehensive examination.

LOWER DIVISION REQUIREMENTS - See Summer Session Bulletin

1a*	Radio Today	3	M-F	4	McVH Rad	Halyard
2a	Radio Announcing	2	MW	5	McVH Rad	Halyard
				4 hrs Lab	By Appt	

Courses open only to Upper Division and Graduate Students

105a	Radio Script-Writing	2	TTh	5	McVH Rad	Press
				4 hrs lab	By Appt	
106a	Radio Production	2	MW	7	McVH Rad	Hallock
				4 hrs lab	By Appt	
C106b	Radio Production	3			(Specified weeks of Internship at a Television Station)	

Prereq: R A 105a, 106a or consent of instructor

SOCIAL WORK

H. E. Wetzel, Head of Department, McVey Hall 314

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours of advanced work in the field of social studies during the junior and senior years, including the Major work in the department.

Requirements for a Major. Prerequisites: Social Work 24. A basic minimum of twenty hours in social work including 100, 113, 116, 122, 130a, and 140a plus additional courses depending on the student's area of specialization, including specific courses in sociology, psychology, hygiene and economics. Tutorial and comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS - See Page 7

Courses open only to Upper Division and Graduate Students

105	Child Welfare Services	3	M-F	2	McVH 329	Wetzel
122	Field of Social Work	3	M-F	3	McVH 329	
140a	Prin of Social Group Work	3	M-F	4	McVH 329	

Courses open to Senior Majors Only

C127a	Tutorial Work in Social Work	2	By Appt		McVH 329	Wetzel
111a	Indp Work	1	By Appt		McVH 329	Wetzel

Prereq: Major and a standing of 2.0 in the dept

SOCIOLOGY

Howard W. Beers, Head of Department, Social Sciences 207

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies during the junior and senior years, including the Major work.

Requirements for a Major. Prerequisites: Sociology 3a and 3b, or equivalent. Required: Minimum of 18 credits of advanced work in Sociology including Sociology

*Open to Freshmen

COLLEGE OF ARTS AND SCIENCES — Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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SOCIOLOGY - cont.

106 or equivalent, at least 3 credits in Theory and Methodology, and 6 credits in one of the other subdivisions below. To be considered for graduation with honors, majors must take Independent Work and must pass a comprehensive examination.

LOWER DIVISION REQUIREMENTS - See Page 7

*3a†	Societies Around the World	3	M-F	3	SS 231	Hughes
*3b†	Societies Around the World	3	M-F	4	SS 203	Sanders

Courses open only to Upper Division and Graduate Students

103	Criminology	3	M-F	4	SS 202	Hughes
106	Prin of Soc	3	M-F	3	SS 212	Sutton
109a	The Family (June 23-July 20)	3	M-F	8:10-10:20	TEB 208	Gladden
	Prereq: Two Sociology courses					
114a-d	Indp Work	1 ea	By Appt			Staff
	Prereq: Major and a standing of 2.0 in the dept					
132a,b	Intergroup Relations (June 23-July 30)	3 ea	T-S	8:10-11:40	EGJ 207	Lovejoy, Kaplan
	(Same as Ed 132a,b)					

Courses open only to Graduate Students

202a-j	Special Prob in Soc	1 ea	By Appt			Staff
500-1,2,3	Thesis	0	By Appt			Staff

ZOOLOGY

John M. Carpenter, Head of Department, Funkhouser Biological Sciences 14

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences, during the junior and senior years, including the Major.

Requirements for a Major. Prerequisites: Junior standing: Zoology 6 credits. Required: Zoology 7a or 157a; Zoology 7b or 157b; Zoology 106, Zoology 108a, b; Zoology 114a,b; a minimum of 15 credits of advanced work and passing a comprehensive examination before graduation.

LOWER DIVISION REQUIREMENTS - See Page 7

Courses recommended for Special Curricula: Medical Sciences: 1, 7b, 101a, b, 105, 106, 108b, 117, 119, 120, 123. Teacher Training: 1, 7a,b, 11, 21, 102, 103a,b, 105, 109, 112, 117, 119, 123, 140, 141. Preconservation Training: 1, 7a, 21, 102, 103a,b, 105, 109, 112, 117, 119, 123, 140, 141. Prerequisites: None for Zoology 1, 11. Zoology 1 required for admission for all other courses. See Catalog and Instructor.

Note: Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

*1-1	Prin of Animal Biology, Lec	4	M-Th	7	FB 12	Carpenter
*1-2	Prin of Animal Biology, Lab		M-Th	8-9	FB 12	Carpenter
*11-1	Nature Study, Lec	4	M-Th	2	FB B-4	Barbour
*11-2	Nature Study, Lab		M-Th	3-4	FB B-4	Barbour

Courses open only to Upper Division and Graduate Students

105-1	Parasitology, Lec	4	M-Th	2	FB B-8	Edney
105-2	Parasitology, Lab		M-Th	3-4	FB B-9	Edney
C108a	Prin of Zoology (Evolution)	3	M-F	5	FB B-8	Allen
	Prereq: Zool 1 and one advanced course in Zool					
110a-d	Indp Work	3 ea	By Appt		FB	Staff
	Prereq: Major and a standing of 2.0 in the dept					

Courses open only to Graduate Students

202a-d	Prob in Ornithology	3 ea	By Appt		FB	Barbour
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*Open to Freshmen

†Same as Geography 3a; ‡ Same as Geography 3b

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>ZOOLOGY - cont.</u>						
205a-d	Prob in Parasitology	3 ea	By Appt		FB	Edney
209a-d	Prob in Limnology and Ecology	3 ea	By Appt		FB	Allen
212a-d	Prob in Ichthyology	3 ea	By Appt		FB	Allen
221a-d	Prob in Herpetology and Mammalogy	3 ea	By Appt		FB	Barbour
216	Prob in Speciation Prereq: Zool 126	3 ea	By Appt		FB	Carpenter
500 1-2-3	Thesis	0	By Appt		FB	Staff

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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AGRICULTURAL ECONOMICS

1*	Agricultural Economics	3	M-F	1	Agr 1	Bradford
Courses open only to Upper Division and Graduate Students						
114	Current Farm Mgt Prob (June 23-July 14)	3	M-F	2-4	Agr 4	Bradford
Prereq: Agr Econ 110 or approval of instructor						
140	Agricultural Policy (July 19 - Aug. 6)	3	M-F	2-4	Agr 4	Rudd
Prereq: Agr Econ 100						
150	Agricultural Prices	3	M-F	1	Agr 4	Clark, H B
Prereq: Econ 51						
160	Special Prob in Agr Econ	3	By Appt			Brown
Prereq: Approval of instructor and head of dept						
Courses open only to Graduate Students						
216	Research Methods in Agr Econ	3	By Appt			Nesius
Prereq: Approval of instructor						
260a-c	Special Prob in Agr Econ	3	By Appt.			Brown
Prereq: Approval of head of dept						

AGRONOMY

Courses open only to Upper Division and Graduate Students

101	Pasture Prod and Mgt (June 23-July 14)	3	M-F	2-4	Agr 205	Sigafus
Prereq: Agron 1						
C103	Weeds (July 19-August 6)	3	M-F	2-4	Agr 205	Sigafus
Prereq: Bot 1						
109a-c	Spec Prob in Crops	3 ea	By Appt			Sigafus
Prereq: Agron 1 and approval of instructor						
112a-d	Spec Prob in soils	3 ea	By Appt			Karraker, Survant and Seay
Prereq: Agron 10 and approval of instructors						
114	Fert and Soil Fertility (June 23-July 14)	3	M-F	2-4	Agr 301	Karraker
Prereq: Agron 10						
C120	Soil Physics (July 19-August 6)	3	M-F	2-4	Agr 301	Survant
Prereq: Agron 10 and approval of instructor						

Courses open only to Graduate Students

212a-d	Research in Soils	3 ea	By Appt			Karraker, Survant and Seay
Prereq: By permission of instructor						
245a-d	Research in Plant Pathology	3 ea	By Appt			Staff
Prereq: Agron 141 or equiv and consent of instructor						

ANIMAL INDUSTRY

Inter-session course in Animal Industry

*27	Survey of the Dairy Industry	3				
Prereq: A I 21 or permission of instructor						
127	Survey of the Dairy Industry	3				Lassiter
Nos. 27 and 127, Survey of the Dairy Industry are travel courses to be given June 9-25. Each student is responsible for his own expenses; transportation to be prorated. Special registration is required and arrangements must be made by May 29.						

Summer Session Courses

*1	Fm Livestock Prod	3	M-Th	4.5	Sp 101	Buck
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*Open to Freshmen

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>ANIMAL INDUSTRY - cont.</u>						
61	Genetics Prereq: One course in biol	3	M-F	1	D 109	Steele
Courses open only to Upper Division and Graduate Students						
106	Pork Production Prereq: AI 1, 81	3	M-F	6	Sp 101	Barnhart
109a-c	Special Prob in Animal Husby Prereq: Approval of instructor	3 ea	By Appt			Staff
129a-f	Special Prob in Dairying Prereq: Approval of instructor	3 ea	By Appt			Dairy Staff
149a-c	Special Prob in Poultry Prereq: Approval of instructor	3 ea	By Appt			Staff
161	Genetics Prereq: One course in biol	3	M-F	1	D 109	Steele
Courses open only to Graduate Students						
221a-c	Res in Dairying	3 ea	By Appt			Dairy Staff
241a-c	Res in Poultry	3 ea	By Appt			Staff
289a-c	Special Prob in Animal Nutr Prereq: Approval of instructor	3 ea	By Appt			Staff
500:1-3	Thesis	0				
<u>ANIMAL PATHOLOGY</u>						
Course open only to Upper Division and Graduate Students						
102	Infect Diseases of Domestic Animals (June 23 to July 14) Prereq: An Path 51	3	M-F	2-4	AP 207	Brown, Hull
<u>FARM ENGINEERING</u>						
3	Fm Struct Engr q	3	M-F	7,8	AE 201	Brooks
4	Fm Shop	3	M-F	7,8	AE 106	Young
Courses open only to Upper Division and Graduate Students						
106	Adv Farm Machinery (June 23-July 14)	3	M-F	2-5	AE 106	Young
107	Adv Fm Structures (July 19-Aug 6)	3	M-F	2-5	AE 201	Brooks
108	Rural Housing (June 21-July 3) (Arrangements for special registration will be made)	2	M-S	2-5 7,8	AE 109	Kelley
<u>RURAL SOCIOLOGY</u>						
160	Rur Community Anal (July 29-August 14)	3	M-F	2-4	Agr 202	Ramsey
<u>SCHOOL OF HOME ECONOMICS</u>						
*3	Dietetics for Nurses	4	M-Th	1-3	HE 205	
*20	Clothing	3	T-F T-Th	3 4	HE 308	Clark
H. Ec 20 - open only to non-home economics students						
28	Cloth and Pattern Designing Prereq: H Ec 27	3	T-F T-Th	1 2	HE 308	Clark
*52-1	Intro to Child Develop, Lec	4	M-F	1	HE 1	
52-2	Intro to Child Develop, Lab H Ec-52 - open only to Home Economics students		By Appt		NS	
Courses open only to Upper Division and Graduate Students						
101	Principles of Nutrition H Ec 101 - open only to non-home economics majors	3	M-Th	3	HE 1	Clemmons
102-1	Dietetics, Lec Prereq: H Ec 6, 11	3	M-Th	5	HE 204	Clemmons

* Open to Freshmen

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>SCHOOL OF HOME ECONOMICS</u> - cont.						
102-2	Dietetics, Lab		T-Th	4	HE 204	Glemmons
114	Food Preservation	3	T-F	1-3	HE 204	Helton
	Prereq: Bact 52 and H Ec 5					
128a-c	Special Prob in Cloth and Costume Design	2 ea	By Appt			Guenther, Downer
130a	Interior Decoration Projects	2	MTThF	1,2	HE 9	Downer
	Prereq: H Ec 129					
135	Decorative Textiles	2	Th	3	HE 302	Guenther
	Prereq: H Ec 25 and Art 30		TW	3,4		
137	Tailoring	2	M	1-4	HE 307	Guenther
	Prereq: H Ec 127			2 hrs	By Appt	
138a-c	Spec Prob in Interior Decoration	2 ea	By Appt			Downer
154	Family Living	4	M-F	1	HE 105	McDowell
				2 hrs	By Appt	
161	Consumer Problems	3	M-F	5	HE 105	Wilmore
	Prereq: Econ 51 and H Ec 61			2 hrs	By Appt	
162b	Home Mgt and Family Relationships	3	By Appt			Wilmore
	Prereq: H Ec 162a; Prereq or concur: H Ec 102					

COLLEGE OF EDUCATION

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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A standing of 1.0 is required for admission to any course in the College of Education

DIVISION OF ADMINISTRATION

101	Sch Org	3	M-F	3	TEB Kdg A	Eckel
Courses open only to Graduate Students						
202	Local Sch Adm	3	M-F	2	TEB 222	Meece
210a,b-1	Indp Work in Sch Adm	3 ea	By Appt		TEB 134	Meece
210a,b-2	Indp Work in Sch Adm	3 ea	By Appt		TEB 134	Eckel
225	Supervision of Instruct	3	M-F	7	TEB 222	Adams
231	Bus Adm & Fin of Pub Ed	3	M-F	4	TEB 231	Meece
232-1	High Sch Adm	3	M-F	1	TEB 222	Eckel
232-2	High Sch Adm	3	M-F	3	Engr A 101D	
301a,b	Res Prob in Ed Adm	3 ea	By Appt		TEB 134	Meece
Prereq: One year of graduate work						

DIVISION OF FOUNDATIONS OF EDUCATION

119	The Elem Sch Pupil	2	M-Th	3	TEB 131	
Prereq: One course in Psy						
122	Ed Tests & Measurements	3	M-F	1	TEB 131	Johnson
#132a,b	Intergroup Relations	3 ea	T-S	8:10-11:40	EGJ 207	Lovejoy, Kaplan
(June 23-July 30)						
C147	The Sec Sch Pupil	3	M-F	2	TEB 131	Van Horne
Prereq: One course in Psy						
148	Ed Psy	3	M-F	3	TEB 105	Sorenson
Courses open only to Graduate Students						
201	Foundations in Ed	5	M-F	6,7	TEB Aud	Hartford, Peck Caldwell
*222	Methodology of Ed Res	3	M-F	2	TEB 105	Sorenson
Prereq: Twelve hours in Education						
230	Ed Soc	3	M-F	3	TEB 222	
241b	Seminar in Foundations of Ed	3	By Appt		TEB Rec Rm	Staff
(Workshop in Moral & Spiritual Values) (June 21-July 16)						
255a	Guidance & Counseling in To-day's Schs	3	M-F	7,8	TEB 131	Martin
(June 21-July 16)						
255b	Guidance & Counseling in To-day's Schs	3	M-F	7,8	TEB 131	Martin
(July 19-August 13)						

DIVISION OF INSTRUCTION

Department of Business Education

158b	Tchg Bookkeeping & Acctg	3	M-F	3	TEB 108	Musselman
Courses open only to Graduate Students						
208a-d	Prob in Bus Ed	3 ea	By Appt		TEB 108	Musselman
C257a,b	Seminar in Bus Ed	2	MTThF	4	TEB 108	Humphreys
270	Bus Ed in Coll & Universities	3	M-F	2	TEB 108	Thomas

Department of Curriculum & Instruction

175g	Mod Ed Prob: Ed of Handi-capped Children	3	By Appt		TEB Rec Rm	
(July 19-Aug 6)						
186	Visual Tchg	3	M-F	1	TEB 105	
Courses open only to Graduate Students						
224	Org & Supervision of Stud Tchg	3	M-F	10-12:00-1-3:00	TEB 107	Ginger
(July 26-Aug 14)						

*Offered in alternate summers # Same as Sociology 132a,b

COLLEGE OF EDUCATION—Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>DIVISION OF INSTRUCTION- cont.</u>						
<u>Department of Curriculum & Instruction - cont.</u>						
227	Prin of Curriculum Construc	3	M-F	4	TEB 131	Musselman
234	Prob of Curriculum Making (Core Curriculum in Junior & Senior High Sch) (June 21-July 16)	3	M-F	2,3	TEB 107	Anderson
<u>Department of Elementary Education</u>						
20	Arts & Crafts in the Elem Sch	2	M-Th	7,8	TEB 170	Haines
42	Tchg Arithmetic in the Elem Sch	3	M-F	1	TEB Kdg A	Porter
C44	Child Develop & the Curriculum	3	M-F	4	TEB 105	Moore
110	Adv Arts & Crafts in the Elem Sch	2	M-Th	2,3	TEB 170	Haines
†C133	Stud Tchg in the Elem Sch	8	By Appt		TEB 126	Ginger & Staff
172	The Tchg of Reading	3	M-F	2	TEB Kdg A	Duncan
173	Children's Lit	3	M-F	4	TEB Kdg A	Duncan
196	Science in the Elem Sch	3	M-F	6	TEB Cafe	
<u>Courses open only to Graduate Students</u>						
212	The Elem Sch	3	M-F	2	TEB Aud	Moore
215a,b-1	Indp Work in Elem Ed	2 ea	By Appt		TEB 136	Duncan
215a,b-2	Indp Work in Elem Ed	2 ea	By Appt		TEB 136	Harris
215a,b-3	Indp Work in Elem Ed	2 ea	By Appt		TEB 123	Moore
229-1	The Elem Principal	3	M-F	4	TEB 222	Harris
229-2	The Elem Principal	3	M-F	4	Engr A 101D	
<u>Department of Music Education</u>						
<u>Courses open only to Graduate Students</u>						
243	Adv Meth & Mat in Music Ed	2	M-Th	3	FA 6	
244	Hist & Phil of Music Ed	2	M-Th	1	FA 4	
<u>Department of Secondary Education</u>						
105	Fund of Sec Ed	3	M-F	7	TEB 105	Shipman
111	The Tchg of Reading in the Junior & Senior High Sch	2	M-Th	6	TEB 131	Hart
<u>Courses open only to Seniors and Graduate Students</u>						
†142	Stud Tchg in Art	8	By Appt		TEB 170	Haines
†153	Stud Tchg in Eng	9	By Appt		TEB 126	Ginger & staff
†154	Stud Tchg in Languages	9	By Appt		TEB 126	Ginger & staff
†155	Stud Tchg in the Sciences	9	By Appt		TEB 126	Ginger & staff
†156	Stud Tchg in Mathematics	9	By Appt		TEB 126	Ginger & staff
†157	Stud Tchg in the Social Studies	9	By Appt		TEB 126	Ginger & staff
†169a	Stud Tchg in Phy Ed (by special arrangement only)	4	By Appt		TEB 126	Ginger & staff
†C169b	Stud Tchg in Phy Ed (by special arrangement only)	5	By Appt		TEB 126	Ginger & staff
†177a,b	Stud Tchg in Music	4 ea	By Appt		TEB 126	Ginger & staff
†193	Stud Tchg in Bus Ed	9	By Appt		TEB 126	Ginger & staff
<u>Courses open only to Graduate Students</u>						
214	The Sec Sch	3	M-F	8	TEB 222	Adams
248a,b-1	Indp Work in Sec Ed	3 ea	By Appt		TEB 126	Ginger
248a,b-2	Indp Work in Sec Ed	3 ea	By Appt		TEB 233	Adams

†Open only to those who have had teaching experience in a regularly organized school. Application should be made in advance in order that prerequisites may be checked.

COLLEGE OF EDUCATION—Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>DIVISION OF VOCATIONAL EDUCATION</u>						
<u>Department of Agricultural Education</u>						
179	Determining Content in Vocational Agr (June 21-July 9)	3	By Appt		TEB 226	Hammonds
Courses open only to Graduate Students						
280	Meth in Tchg Vocational Agr (July 12-30)	3	By Appt		TEB Kdg B	Hammonds
Prereq: Experience in teaching vocational agriculture						
285a	Mod Probin Agr Ed (June 21-July 9)	3	By Appt		TEB Kdg B	Binkley
287a-1	Adv Prob in Agr Ed	3	By Appt		TEB 219	Hammonds
287a-2	Adv Prob in Agr Ed	3	By Appt		TEB 224	Tabb
287b	Selecting Tchg Mat (July 12-30)	3	By Appt		TEB 226	Wall
287c	Adult-Farmer Schs (June 21-July 9)	3	By Appt		TEB 201	Tabb
287e	Tchg Farm Shop (July 12-30)	3	By Appt		TEB 201	Tabb
287f	Young-Farmer Schs (June 21-July 9)	3	By Appt		TEB 207	Wall
289a,b-1	Res in Agr Ed	3 ea	By Appt		TEB 219	Hammonds
289a,b-2	Res in Agr Ed	3 ea	By Appt		TEB 224	Tabb
<u>Department of Home Economics Education</u>						
*C166a-d	Problems in Home Econ Ed (Improvement in Teaching Foods) (June 21-July 16)	2	M-F	8-12:00	TEB 101	Parker & Others
Courses open only to Graduate Students						
261	Home Econ Supervision (July 19-August 13)	3	M-F	8-10:45	TEB 207	Sneed
Prereq: Ed 160, 162; experience in teaching and approval of instructor						
264	Modern Trends in Home Econ Ed (June 21-July 16)	3	M-F	1-3:00	TEB 101	Parker
<u>Department of Industrial Education</u>						
71	Trade Anal (August 2-13)	2	By Appt		TEB 226	Baker
82	Instructional Mat in Ind Ed (August 16-27)	2	By Appt		TEB 222	Youmans
136	Surv in Ind Ed (Aug 2-13)	2	By Appt		TEB Kdg B	Youmans
171b	Prin & Phil of Ind Ed (August 2-13)	2	By Appt		TEB Kdg B	Youmans
183a	Meth in Ind Ed (Aug 2-13)	2	By Appt		TEB 226	Baker
183b	Meth in Ind Ed (Aug 16-27)	2	By Appt		TEB 131	Baker

*This course may be taken only in combination with Home Econ 109, 2 crs.

COLLEGE OF ENGINEERING

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>ARCHITECTURAL ENGINEERING</u>						
1	Arch Rendering Prereq: Junior classification	2	By Appt		AH 216	Gray
4a	Arch Design Prereq: Junior classification and Arch Eng 1	3	By Appt		AH 216	Gray
6a	Adv Arch Design Prereq: Senior classification and Arch Eng 4b	4	By Appt		AH 216	Gray
<u>CIVIL ENGINEERING</u>						
15	Gen Surv Prereq: Approval of head of dept	3	Summer Surveying Camp			Shaver
16b	Route Surv Prereq: Approval of head of dept	3	Camp Robinson			Blythe and Others
17	Hydrographic Surv Prereq: Approval of head of dept	1	Noble, Ky			
18	Map and Topographic Draw Prereq: C E 12	2	M-F	6,7	Engr A 200	Hoffmann
81	Testing Mat Prereq or concur: Ap M 100	1	T-Th	1,2	AH 108	Chambers
107-1	Soil Mechanics	3	MWF	1	AH 214	Pendley
107-11	Soil Mechanics, Lab Prereq: Junior classification; Prereq or concur: Geol 12b Res Lab		MW	6-8	Highway	Pendley
110a	Reinforced Concrete Prereq: C E 171a	4	By Appt		AH 207	Leggett
110b	Reinforced Concrete Prereq: C E 110a	3	By Appt		AH 207	Mory
120	Hydraulics Prereq: Ap M 4, 100	2	TWThF	2	AH 210	Cheek
123	Hydraulics Lab Prereq or concur: C E 120	1	TTh	6-8	AH 108	Cheek
151	Water Supply and Waterworks Prereq: C E 120; concur with C E 152	2	By Appt		AH 207	Cheek
152	Sewers and Sewage Disposal Prereq: C E 120; concur with C E 151	2	By Appt		AH 207	Cheek
159	Design and Operation of Waterworks and Sewers Prereq: C E 151, 152	2	By Appt		AH 207	Cheek
171a	Theory of Structures Prereq or concur: Ap M 100	3	M-F	1	AH 206	Leggett
171b	Theory of Structures Prereq: C E 171a	3	M-F	2	AH 206	Mory
173a	Steel Structures Prereq: C E 171a	3	M F	4,5	AH 206	Mory
173b	Steel Structures Prereq: C E 173a	2	By Appt		AH 207	Leggett
174	Graphic Solutions Prereq or concur: C E 171a	2	By Appt		AH 207	Leggett
<u>ELECTRICAL ENGINEERING</u>						
11	Elec Lab	1	TTh	7,8	AH 130	Adams
21R	Prin of Elec Engr, Rec	3	MWTh	5	AH 201	Fogel
			TF	6	AH 201	
21L-1	Prin of Elec Engr, Lab	1	MF	7	AH 201	Fogel
21L-11	Prin of Elec Engr, Lab Prereq or concur: Math 20b and Physics 3b		MF	8,9	AH 130	Fogel
107R	Elec Controls	2	MTThF	2	AH 212	Boggess
107L-1	Elec Controls Lab	1	T	4	AH 212	Boggess
			W	2	AH 212	
107L-11	Elec Controls Lab Prereq: E E 116, 105b or 101		TF	7,8	AH 130	Boggess
116R	Alt Cur Mach	3	M-F	1	AH 232	Barnett
116L-1	Alt Cur Mach Lab	1	W	3	AH 201	Barnett
			Th	4	AH 201	
116L-11	Alt Cur Mach Lab Prereq: E E 115R L; 114 R L		WF	4,5	AH 130	Barnett
120	Elec Circ Anal Prereq: E E 114 R, L; Math 35	3	MTThF	6	AH 212	Smith
			W	7,8	AH 216	

COLLEGE OF ENGINEERING—Continued

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Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>ELECTRICAL ENGINEERING - cont.</u>						
151a, b	Seminar Prereq: Senior standing	1 ea	W	6-9	AH 201	Allison
152a-c	Indp Prob	1 ea	By Appt		AH 245	Romanowitz
152d-f	Indp Prob	2 ea	By Appt		AH 245	Romanowitz
161R	Vac Tube Electronics Prereq: EE 114 R, L; concur: EE 161L Th	3	M-Th	2	AH 205	Graham
161L-1	Vac Tube Electronics Lab	1	T	4	AH 205	Graham
			F	2	AH 205	
161L-11	Vac Tube Electronics Lab Concur: EE 161R		TF	7,8	AH 244	Graham
162R	Radio Circuits Prereq: EE 161 R, L; concur: EE 162L	3	M-F	3	AH 232	Allison
162L-1	Radio Circuits Lab	1	MTh	4	AH 232	Allison
162L-11	Radio Circuits Lab Concur: EE 162 R		MTh	7,8	AH 244	Allison
165	Fields & Waves Prereq: EE 120	2	MTThF	6	AH 210	Romanowitz
210	Symmetrical Components	3	By Appt		AH 245	Smith
<u>ENGINEERING - GENERAL</u>						
<u>Applied Mechanics</u>						
3	Statics Prereq: Physics 3a and Math 20a	3	M-F	4	AH 202	Staff
4	Dynamics (Civil & Elec) Prereq: Ap M 3; Prereq or concur: Math 20b	2	MTWF	1	AH 204	Staff
7	Dynamics (Mech) Prereq: Ap M 3; Prereq or concur: Math 20b	3	M-F	6	AH 202	Staff
100	Strength of Mat Prereq: Ap M 1	4	MW	2	AH 202	Staff
107	Mech Vibrations Prereq: Ap M 4 or 7 and 100; Prereq or concur: Math 35	4	M-F	3	AH 202	Staff
			7 hrs By Appt		AH 204	
<u>ENGINEERING DRAWING</u>						
1a-1	Elem Engr Drawing	2	M-F	1,2	Engr A 200	Hoffmann
1a-2	Elem Engr Drawing	2	M-F	3,4	Engr A 200	and Carter
1b	Descript Geom	2	M-F	3,4	Engr A 200	Horine
2	Mech Drawing (For students in Ind Chemistry)	1	T	6-8	Engr A 200	
			Th	6,7	Engr A 200	Carter
18	Adv Engr Drawing Prereq: Engr Dr 1b	2	M-F	6,7	Engr A 200	Horine
<u>MECHANICAL ENGINEERING</u>						
*15a-1	Mfg Proc Lec	2	MT	6	AH 232	Knight
15a-11	Mfg Proc Lab		W	7-9	AH 110	Mangelsen
15a-12	Mfg Proc Lab		Th	7-9	AH 110	Mangelsen
15a-13	Mfg Proc Lab		F	7-9	AH 110	Mangelsen
*15b-1	Mfg Proc Lec	2	ThF	6	AH 232	Knight
15b-11	Mfg Proc Lab		M	7-9	AH 110	Mangelsen
15b-12	Mfg Proc Lab		T	7-9	AH 110	Mangelsen
100a	Machine Design Prereq: Engr Dr 18 and ME 15b. Prereq or concur: Ap M 100	3	M-F	2	AH 235	Carter
107	Fluid Mechanics Prereq: ME 104a	3	M-F	2	AH 236	Baker
108	Internal Comb Engines Prereq: ME 105b or 134	3	M-F	4	AH 235	Marshall
113b-1	Mech Lab Lec	2	TTh	6	AH 236	Knight
113b-11	Mech Lab, Lab Prereq: ME 113a		TTh	7-9	AH 131	Knight
122a	Seminar Prereq: Senior classification	1	M-Th	4	AH 236	Gard
122b	Seminar Prereq: Senior classification	1	M-Th	4	AH 236	Gard

*Student must sign for 1 lecture and 2 shop sections

COLLEGE OF ENGINEERING—Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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MECHANICAL ENGINEERING - cont.

136	Internal Comb Engine Lab Prereq or concur: ME 108, 113a	1	MW	7-9	Aero Lab	Marshall
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METTALURGICAL ENGINEERING

C60	Met Lab and Shop Prac Prereq: 5 sem hrs in Met E or its equiv	4	20 hrs	By Appt		Staff
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MINING ENGINEERING

131	Mine Surv Practice Prereq: Min E 126a; concur: CE 15, 16b	1	Summer	Surveying Camp Camp Robinson Noble, Ky		Spokes
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COLLEGE OF LAW

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>LAW</u>						
122	Property III	3	M-W	2,4	LH 212	Matthews
147	Restitution	2	Th-S	2	LH 212	Oberst
			F	4		
164	Conflict of Laws	3	M-W	3	LH 213	McEwen
C172c	Legal Research and Writing	1	By Appt		LH 213	Staff
C172d	Legal Research and Writing (State and Local Taxation)	1	WTh	4	LH 213	Oberst
178	Creditors' Rights	3	Th-S	3,5	LH 213	Whiteside
180	Labor Law	2	Th-S	3	LH 212	Stahr

COLLEGE OF COMMERCE

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>DEPARTMENT OF ECONOMICS</u>						
*3	Econ Hist of the U S	3	M-F	2	WH 102	Jennings
*7a	Prin of Acctg Rec Lab	4	MW TThF	1,2 1,2	WH 306 WH 306	Speck Speck
*7b	Prin of Acctg Rec Lab	4	MW TThF	3,4 3,4	WH 306 WH 306	Tolman Tolman
51	Prin of Econ	3	M-F	5	WH 102	Christian
52	Prin of Econ	3	M-F	2	WH 101	Pearce
102	Prereq: Econ 51 Labor Econ	3	M-F	4	WH 101	Cojeen
103	Prereq: Econ 52 Transportation	3	M-F	2	WH 207	Tolman
104	Prereq: Econ 52 Pub Finance	3	M-F	2	SS 102	Hargreaves
105	Prereq: Econ 52 Money and Banking	3	M-F	3	SS 102	Masten
107	Statistical Method, Rec	3	M-Th	1,2	WH 401	Christian
110	Bus Cycles	3	M-F	2	SS 131	Haynes
	Prereq: Econ 52 and elementary course in statistics					
112a-f	Indiv Work in Econ	1 ea	By Appt			Staff
115	Value & Distribution Theory	3	M-F	4	WH 207	Pearce
143	Life Ins	3	M-F	1	WH 103	Massie
	Prereq: Econ 52					
147	Am Bus Leaders	2	M-Th	4	WH 102	Jennings
	Prereq: Econ 3 or consent of instructor					
148	Eu Bus Leaders	1	M,Th	5	WH 207	Jennings
	Prereq: Econ 2 or consent of instructor					
167	Tutorial Work in Econ	1	By Appt			Carter
202a-f	Seminar	1 ea	By Appt			Carpenter
203	Hist of Econ Thought	3	M-F	3	SS 131	Hargreaves
	Prereq: Econ 52					
211	Adv Money & Banking	3	M-F	4	SS 102	Masten
212a-f	Research Prob in Econ	1 ea	By Appt			Staff
<u>DEPARTMENT OF COMMERCE</u>						
*7a	Prin of Acctg, Rec Lab	4	MW TThF	1,2 1,2	WH 306 WH 306	Speck Speck
*7b	Prin of Acctg, Rec Lab	4	MW TThF	3,4 3,4	WH 306 WH 306	Tolman Tolman
**13a	Sect Pract Shorthand	3	M-F	3	WH 101	Humphreys
	Prereq or concur: Eng 1a					
13b	Sect Pract Shorthand	3	M-F	3	A 302b	Thomas
	Prereq: 13a or its equiv					
14a	Adv Sect Pract	3	By Appt			Humphreys
	Prereq: Com 13b, 17b or their equiv					
14b	Adv Sect Pract	3	By Appt			Humphreys
	Prereq: Com 14a or its equiv					
*17a	Sect Pract, Typewriting	2	MTThF	3	WH 303	McMurtry
	Prereq or concur: Eng 1a					
*C17a	Sect Pract, Typewriting	3	M-F	3	WH 303	McMurtry
	(Intensive course to gain vocational proficiency)					
	Prereq: or concur: Eng 1a					
*17b	Sect Pract, Typewriting	2	MTThF	2	WH 303	McMurtry
	Prereq: Com 17a					
19	Office Appliances & Proce- dures	3	M-F MWF	4 5	A 302b	Speck
	Prereq: Com 17a					
60	Prin of Mktg	3	M-F	5	WH 103	Coolsen
	Prereq: Econ 52					
62	Prin of Advertising	3	M-F	2	WH 103	McIntyre
	Prereq: Com 60					
96a	Intermed Acct'g	3	M-F	1	WH 101	Grady
	Prereq: Com 7b					
96b	Intermed Acct'g	3	M-F	3	WH 102	Grady
	Prereq: Com 96a					
101a-c	Sect Job Training	1 ea	By Appt			Thomas
	Prereq: Com 14b					

* Open to Freshmen

**No credit for 13a until 13b is completed

COLLEGE OF COMMERCE—Continued

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>DEPARTMENT OF COMMERCE - cont.</u>						
109a	Bus Law	3	M-F	3	WH 103	Lewis
109b	Bus Law	3	M-F	4	WH 103	Lewis
	Prereq: Two years of commerce curriculum					
117	Corp. Fin	3	M-F	1	WH 102	Ellis
	Prereq: Econ 52 and Com 7b					
118	Cost Acctg	3	M-F	5	WH 401	Ellis
	Prereq: Com 7b					
119	Retail Merchandising	3	M-F	4	WH 301	McIntryre
	Prereq: Com 60					
129	Credit & Statement Anal	2	MTThF	2	WH 301	Haun
	Prereq: Com 7a					
133	Income Tax Procedure	3	M-F	4	WH 401	Haun
	Prereq: Com 96b					
137	Ind Mgt	3	M-F	3	WH 301	Cojeen
145	Office Mgt	3	M-F	3	WH 401	Speck
162	Small Bus Operation	2	MTThF	5	WH 101	Massie
	Prereq: Senior standing in the College of Commerce					
237	Adv Bus Mgt	3	M-F	4	SS 131	Haynes
260	Adv Mktg Mgt	3	M-F	3	WH 207	Coolsen

SHORT COURSE

College of Commerce

177b	Coll Bus Mgt (July 26-Aug 7)	2	M-S	2-4 6-8	FA	Peterson and others
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SHORT COURSES

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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COLLEGE OF ARTS AND SCIENCESANCIENT LANGUAGES

C150	The Tchg of Latin (Demonstration Class in Beginning High School Latin)	1	M-F	4	FH 106	Skiles
C150	The Tchg of Latin (June 23-July 17)	4	M-F	2-4	FH 106	Staff

GEOGRAPHY

#30a,b	Intro Field Studies	3 ea				Shear
#130a,b	Intermed Field Studies	3 ea				Shear
#230a,b	Adv Field Studies	3 ea				Shear
	#International Cooperative Summer School in Geography at the Instituto Tecnologico in Monterrey, Mexico. July 9 to August 28. See Page for description of courses.					

MUSIC

126	Music Educ Workshop: Gen Music (June 22-July 3)	1	M-S	8:10-10:20	FA 12	Lewis, Kalb Kiviniemi, McConnell, Prindl
127	Music Educ Workshop: The School Orchestra (July 19-23)	1	M-F	8:10-10:20	FA 22	Lutz, Fitzgerald, Rush, Staff
128	Music Educ Workshop: The School Band (July 26-August 6)	1	M-F	8:10-10:20	FA 22	Lutz, Fitzgerald Prindl, Staff

SOCIOLOGY

109a	The Family (June 23-July 20)	3	M-F	8:10-10:20	TEB 208	Gladden
132a,b	Intergroup Relations (June 23-July 30)	3 ea	T-S	8:10-11:40	EGJ 207	Lovejoy, Kaplan
	(Same as Ed 132a,b)					

COLLEGE OF AGRICULTURE AND HOME ECONOMICSAGRICULTURAL ECONOMICS

114	Current Farm Mgt Prob (June 23-July 14)	3	M-F	2-4	Agr 4	Bradford
140	Agricultural Policy	3	M-F	2-4	Agr 4	Rudd

AGRONOMY

101	Pasture Prod & Mgt (June 23-July 14)	3	M-F	2-4	Agr 205	Sigafus
C103	Weeds (July 19-August 6)	3	M-F	2-4	Agr 205	Sigafus
114	Fert and Soil Fertility (June 23-July 14)	3	M-F	2-4	Agr 301	Karraker
C120	Soil Physics (July 19-August 6)	3	M-F	2-4	Agr 301	Survant

ANIMAL INDUSTRYINTER-SESSION COURSE IN ANIMAL INDUSTRY

*27	Survey of the Dairy Industry	3				Lassiter
127	Survey of the Dairy Industry	3				
	(Survey of the Dairy Industry are travel courses to be given June 9-25) Each student is responsible for his own expenses; transportation to be prorated. Special registration is required and arrangements must be made by May 29)					

ANIMAL PATHOLOGY

102	Infect Diseases of Domestic Animals (June 23-July 14)	3	M-F	2-4	AP 207	Brown, Hull
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*Open to Freshmen

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
<u>COLLEGE OF AGRICULTURE AND HOME ECONOMICS - Cont.</u>						
<u>FARM ENGINEERING</u>						
106	Adv Farm Machinery (June 23-July 14)	3	M-F	2-5	AE 106	Young
107	Adv Farm Structures (July 19-August 6)	3	M-F	2-5	AE 201	Brooks
108	Rural Housing (June 21-July 3) (Arrangements for special registration will be made)	2	M-S	2-5 7,8	AE 109	Kelley
<u>RURAL SOCIOLOGY</u>						
160	Rur Community Anal (July 29-August 14)	3	M-F	2-4	Agr 202	Ramsey
<u>COLLEGE OF EDUCATION</u>						
<u>DIVISION OF FOUNDATIONS OF EDUCATION</u>						
241b	Seminar in Foundations of Ed (Workshop in Moral & Spiritual Values)	3	By Appt	(June 21-July 16)	TEB Rec Rm	Staff
255a	Guidance & Counseling in Today's Schs (June 21-July 16)	3	M-F	7,8	TEB 131	Martin
255b	Guidance & Counseling in Today's Schs (July 19-August 13)	3	M-F	7,8	TEB 131	Martin
<u>DEPARTMENT OF CURRICULUM & INSTRUCTION</u>						
175g	Mod Ed Prob: Ed of Handicap- ped Children (July 19-Aug 6)	3	By Appt		TEB Rec Rm	
224	Org & Supv of Stud Tchg (July 26-August 14)	3	M-F	10-12:00 1-3:00	TEB 107	Ginger
234	Prob of Curriculum Making (Core Curriculum in Junior & Senior High Schools)	3	M-F	2,3	TEB 107	Anderson
<u>DIVISION OF VOCATIONAL EDUCATION</u>						
<u>AGRICULTURAL EDUCATION</u>						
179	Determining Content in Voca- tional Agr (June 21-July 9)	3	By Appt		TEB 226	Hammonds
280	Meth in Tchg Vocational Agr (July 12-30)	3	By Appt		TEB Kdg B	Hammonds
285a	Mod Prob in Agr Ed (June 21-July 9)	3	By Appt		TEB Kdg B	Binkley
287b	Selecting Tchg Mat (July 12-July 30)	3	By Appt		TEB 226	Wall
287c	Adult-Farmer Schs (June 21-July 9)	3	By Appt		TEB 201	Tabb
287e	Tchg Farm Shop (July 12-July 30)	3	By Appt		TEB 201	Tabb
287f	Young-Farmer Schs (June 21-July 9)	3	By Appt		TEB 207	Wall
<u>DEPARTMENT OF HOME ECONOMICS EDUCATION</u>						
C166a-d	Problems in Home Econ Ed (Improvements in Teaching Foods)	2 ea	M-F	8-12:00	TEB 101	Parker and Others
261	Home Econ Survey (July 19-August 13)	3	M-F	8-10:45	TEB 207	Sneed
264	Modern Trends in Home Econ (June 21-July 16)	3	M-F	1-3:00	TEB 101	Parker
<u>DEPARTMENT OF INDUSTRIAL EDUCATION</u>						
71	Trade Anal (Aug 2-Aug 13)	2	By Appt		TEB 226	Baker

SHORT COURSES - Cont.

Course Number	Subject	Credits	Days	Hour	Building and Room Number	Instructor
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COLLEGE OF EDUCATION-- Cont.DEPARTMENT OF INDUSTRIAL EDUCATION- Cont.

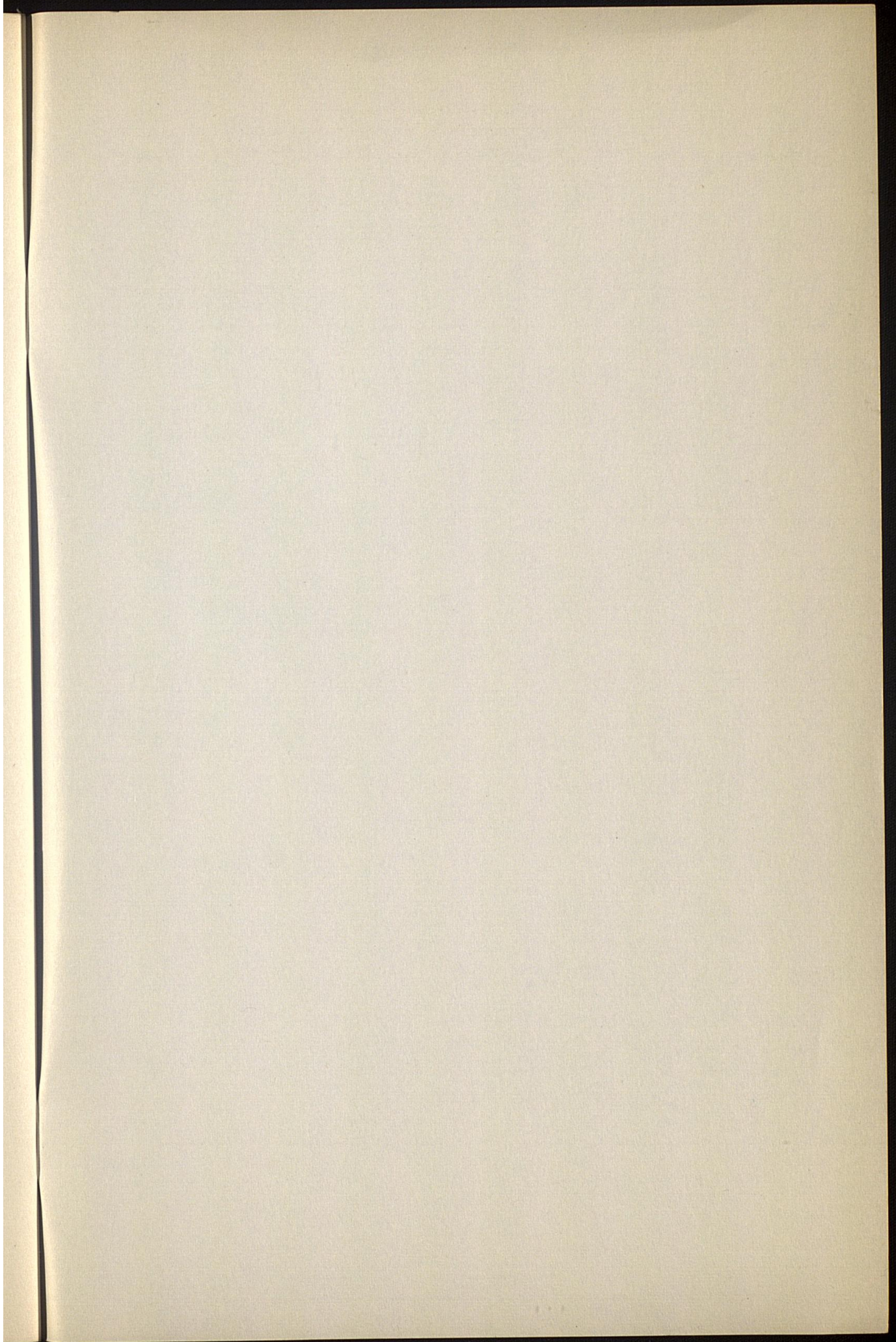
136	Surv in Ind Ed (Aug 2-Aug 13)	2	By Appt		TEB Kdg B	Youmans
171b	Prin & Phil of Ind Ed	2	By Appt		TEB Kdg B	Youmans
183a	Meth in Ind Ed (Aug 2-Aug 13)	2	By Appt		TEB 226	Baker

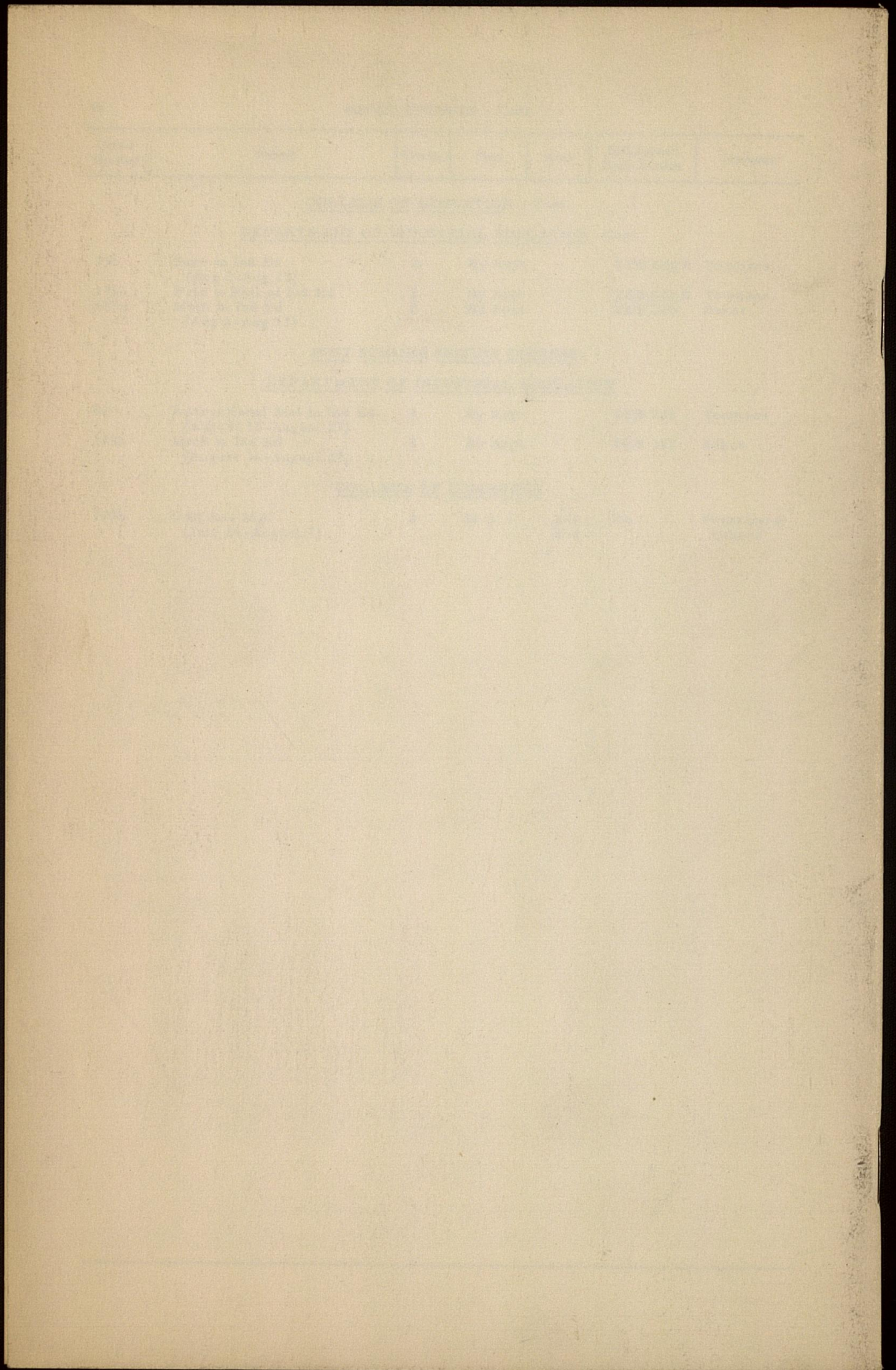
POST SUMMER SESSION COURSESDEPARTMENT OF INDUSTRIAL EDUCATION

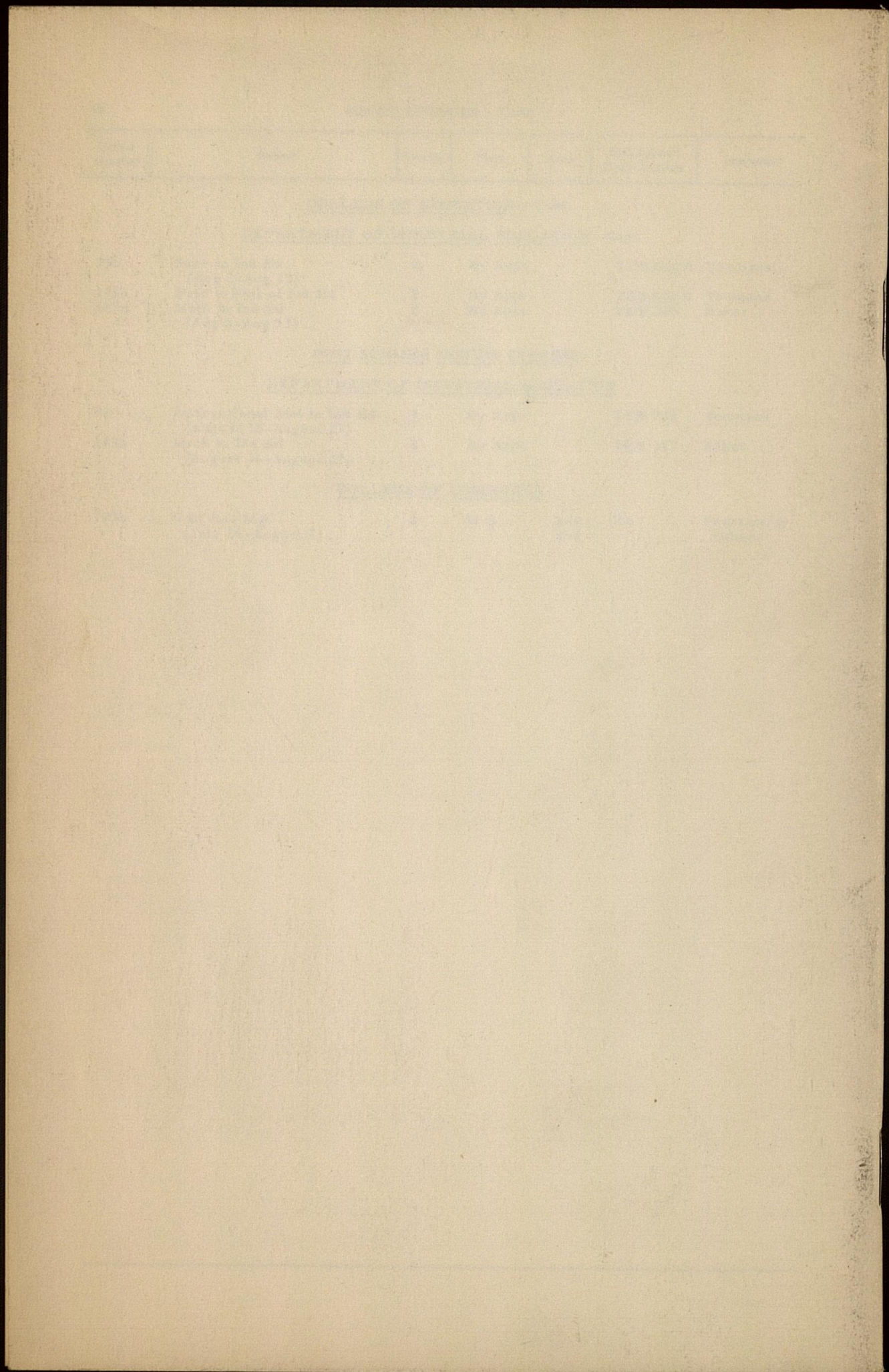
82	Instructional Mat in Ind Ed (August 16-August 27)	2	By Appt		TEB 222	Youmans
183b	Meth in Ind Ed (August 16-August 27)	2	By Appt		TEB 131	Baker

COLLEGE OF COMMERCE

177b	Coll Bus Mgt (July 26-August 7)	2	M-S	2-4 6-8	FA	Peterson & Others
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BULLETIN OF THE UNIVERSITY OF KENTUCKY

Summer Session

1954

JUNE 21 — AUGUST 14

UNIVERSITY OF KENTUCKY



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UNIVERSITY OF KENTUCKY

University of Kentucky

1954

Summer Session

JUNE 21-AUGUST 14

CURRICULA

The University of Kentucky, a land-grant institution, will offer eight weeks of regular summer session work; also inter-session and post-session courses. Courses will be offered in six colleges—Arts and Sciences, Agriculture and Home Economics, Engineering, Law, Education, Commerce—and in the Graduate School.

Over and above its program of liberal education, the University Summer Session provides numerous opportunities for persons to prepare for specific occupations. The opportunities are in numerous fields: Industrial Chemistry, Journalism, Medical Technology, Pre-Medicine, Pre-Dentistry, Pre-Nursing, Music, Library Science, Public Service, Art, Bacteriology, Geography, Geology, Psychology, Radio Arts, Social Work, Sociology, Agriculture in its various phases, Pre-Forestry, Pre-Veterinary, Home Economics, Engineering—Architectural, Aeronautical, Civil, Communications, Electrical, Mechanical, Metallurgical and Mining—Law, Elementary and High School Teaching, Educational Supervision and Administration, General Business, Commerce—Law, Industrial Administration, and Secretarial Work.

CREDIT HOURS

Nine semester hours are considered the normal load for undergraduates. For graduate students, the normal load is six hours; the maximum is nine. Graduate students who earn six or more graduate credits and who remain in residence throughout the summer session are assigned nine weeks of residence. University students do not have to fear acceptance of credits at full value by accreditation associations and other colleges and universities. Moreover, U. K. credits always meet the tests for employment, whether by government agencies, by corporations, by private companies, and regardless of the field. This is a very important consideration. In certain categories of employment, students and graduates of land-grant colleges have a distinct advantage for employment over other students and graduates.

FEES

For the Summer Session, the full-time fee for all Kentucky students, except those enrolled in the College of Law, will be \$32.50 and for students in the Law College \$34.00. For out-of-state students, in all colleges except Law, the fee will be \$62.50. The fee for out-of-state students in the Law College is \$65.50.

ADMISSION

Applicants for admission should write to the Office of the University Registrar for application forms, stating whether they wish admission to the freshman class, to advanced standing, or to the Graduate School. *Application and transcripts of credits should be filed in advance with the Registrar's Office.* Students entering with advanced standing and those entering the Graduate School should present transcripts from each institution they have attended. *High school graduates are invited to start their college careers in the 1954 Summer Session.* Special courses are planned for entering freshmen and special attention will be given to them, to the end that their collegiate careers will be richer, more profitable, more economical and more meaningful.

LIVING ACCOMMODATIONS

Room applications for single men should be made to the Dean of Students and be accompanied by a deposit of \$10. Prices for rooms range from \$22.50 to \$34.50 for the session. The University Cafeteria will be in operation. Accommodations also are available for married students and their families. Applications should be made to the Dean of Students.

Women's applications, accompanied by \$10 deposit, should be made to the Dean of Women. Refunds will be made only if notification of cancellation is given at least thirty days before the term opens. All residence halls for women will be open and meals served in the dining room of the residence halls; the cost for dormitory room and board is \$110 for the summer term.

Persons applying for accommodations for the duration of short term courses are not required to send deposits. They should, however, mail in the title and length in weeks of the course or courses desired, as well as indicate the beginning and ending dates.

CULTURAL AND RECREATIONAL RESOURCES

The University of Kentucky is located in Lexington, the center of the famed Bluegrass region, a delightful country of scenic beauty and of transcendent historic interest.

Many of the fabulous horse farms, some containing more than a thousand acres of lush, bluegrass-covered land, are in this rich region. During the Summer Session, tours are conducted to many of these estates, among which are Elmendorf, Walnut Hall, Calumet, Castleton, Dixiana and Coldstream. In addition, points of historic interest including Ashland (home of Henry Clay), General John Hunt Morgan's residence, the home of Mary Todd (wife of Abraham Lincoln) and the Keeneland Race Track, may be visited.

During the session, nationally known speakers, lecturers, workshop directors, and specialists in many fields will visit the campus. Several unusual musical and dramatic presentations are planned. The Student Union Building, the Memorial Coliseum and the Fine Arts Building will be open for student use. A well balanced social and physical education program has been arranged. Students may participate in such activities as swimming, tennis, golf, dancing, band concerts, movies, picnicking and camping.

CALENDAR

Classification will be on Monday, June 21; registration on Tuesday, June 22; and classes will begin Wednesday, June 23. Tuesday, June 29, is the last day one may enter an organized class. Friday, August 13, the Summer Session Commencement will be held. The Summer School will end at Saturday noon, August 14.

SCHEDULE OF CLASSES

The bulletin entitled *Schedule of Classes* will be issued in April. If you desire one or more and/or further information, write to Hambleton Tapp, Co-ordinator of the Summer Session, Administration Building, University of Kentucky, Lexington, Kentucky, or to the University Registrar.

STATEMENT OF COURSES

Courses numbered 1 to 99, inclusive, may be taken only for undergraduate credit. Courses numbered 100 to 199, inclusive, may be taken for credit by juniors, seniors, and graduate students, provided that a course so numbered may carry graduate credit only with the approval of the student's graduate committee. Courses numbered 200 or above are open only to graduate students.

College of Arts and Sciences

Anatomy and Physiology

- 2—Elem. Anat. and Physiol.
- 105—Arch. of the Human Skeleton
- 106—Intro. to Endocrinology
- 108—Circulation, Respiration and Metabolism
- 109—Cellular Physiology
- 201a-i—Research in Physiology

Ancient Languages

- 1a—Beginning Latin
- 70—Greek Mythology
- 109a, b—Latin Literature
- 120—Greek Civilization
- 150—The Teaching of Latin (full term)
- C150—The Teaching of Latin (June 23-July 17)
- 152a, b—Studies in Roman Philology
- 200—Research in the Teaching of Classical Languages
- 201—Comparative Greek and Latin Grammar

Anthropology

- 1—Intro. to Physical Anthropology
- 2—Intro. to Cultural Anthropology
- 142—Culture and Personality
- 201a-b—Research Problems in Anthropology

Art

- 10a—Public School Art
- 51a—Painting
- 61—Elementary Drawing
- 62—Basic Design
- 157—Art in Secondary Schools
- 165a—Intermediate Painting

Bacteriology

- 52—Principles of Bacteriology
- 103—Pathogenic Bacteriology
- 104—Applied Bacteriology
- 110a—Laboratory Diagnosis
- 111—General Pathology
- 120a-b—Hospital Lab. Practice
- 201a-i—Research in Bacteriology
- 210—Clinical Mycology
- 224—Disinfectants and Antibiotics
- 270—Electron Microscopy
- 272—Viruses and Rickettsiae

Botany

- 25—General Plant Biology
- 40—Origin of Cultivated Plants
- 114—Ecology
- 30—Introduction to Heredity

Chemistry

- 1a—General Chemistry
- 22—Analytical Chemistry
- 30a, b—Organic Chemistry
- 110a, b—Advanced Inorganic Chemistry
- 122—Instrumental Analysis
- 125—Advanced Quantitative Analysis
- 133—Qualitative Organic Analysis
- 145—Colloid Chemistry
- 160a, b—Industrial Chemical Processes and Stoichiometry
- 181—Chemical Literature
- 221—Semimicro Quantitative Analysis
- 290a-l—Research in Chemistry

English, Speech and Dramatic Arts

- 1a—English Composition
- 3a—Survey of English Literature
- 6—Essentials of Speech
- 30—Business English
- 32—Voice Development
- 36—Staging Techniques
- 2a—Advanced Composition
- 102—Modern British and American English
- 107a—Victorian Poets
- 110b—Shakespeare: The Tragedies
- 137—Stage Production in School and Community
- 138—Advanced Oral Interpretation
- 148—A General Introduction to Folklore
- 153—Drama of the Restoration and 18th Century
- 155b—Contemporary British Poetry
- 172—Writing of the One-Act Play
- Bibliographical Studies
- Studies in Contemporary American Literature

Geography

- 2—Regional Geography of the World
- 3a—Societies Around the World
- 10—Economic Geography Survey
- 102—Regional Geography of Latin America
- 103—Regional Geography of Europe
- Introductory Field Studies—Monterrey, Mexico
- Intermediate Field Studies—Monterrey, Mexico
- Advanced Field Studies—Monterrey, Mexico

Geology

- 3—Elementary Geology
- 50a—Outlines of Geology
- 23a-b—Elementary and Field Work in Regional Geology—Crested Butte, Colorado

History

- 4a—Modern Europe to the French Revolution
- 4b—Modern Europe Since the French Revolution
- 5a—History of the U.S. thru 1865
- 5b—History of the U.S. since 1865
- 40—History of Kentucky
- 120—Europe in the 20th Century
- 124a—Social and Cultural History of the U.S.
- 100a—The Diplomacy and Foreign Policy of the U.S.
- 146—Recent History of the U.S.
- 180a—History of the Old South
- 320a-d—Seminar in Modern European History
- Seminar in Civil War and Reconstruction

Humanities

- A—Classicism: Graeco-Roman; Modern Europe
- B—The Renaissance: Romanticism
- C—Realism and Naturalism: The Contemporary
- D—Art: The Renaissance to the Present
- E—Music: The Renaissance to the Present

Hygiene and Public Health

- 9—Fundamentals of Health
- 100a—Public Health
- 110—Health Education
- 200—Epidemiology
- 212a—Public Health Administration

School of Journalism

- 10—Survey of Journalism
- 21—Etymology
- 110—Supervision of High School Publications
- 114—Newspaper Advertising and Promotion
- 118—Public Relations

Library Science

- 110—Library in the School
- 121—Libraries and Librarianship
- 127a—Books and Related Materials for Children and Young People
- 129—Catalog and Classification
- 133a—Reference and Bibliography
- 139—Library Practice
- 145—Organization of Library Materials
- 152—Book Selection
- 186—Visual Teaching
- 250—The Public Library or Adult Reading Guidance
- 242—History of Books

Mathematics and Astronomy

- 1—Basic Mathematics
- 2—Solid Geometry
- 5—College Algebra
- 15—Mathematics of Finance
- 18—Plane Trigonometry
- 19—Plane Analytic Geometry
- 4—Elementary Theory of Statistics
- 20a—Differential Calculus
- 20b—Integral Calculus
- 35—Differential Equations for Engineers
- 25—Intermediate Calculus
- 103—Theory of Equations
- 105a—Differential Equations
- 129—Probability
- 141—Introduction to Theory of Numbers
- 213—Fourier Series
- 53—Introductory Astronomy

Modern Foreign Languages and Literatures

- 1a, 21a, 81a—Elementary courses in French, German and Spanish
- 2a, 22a, 82a—Second year courses in French, German and Spanish
- 3a, b—French Conversation and Composition
- 105a, b—French Literature of the XVIII Century
- 107a, b—Advanced French Conversation
- 291a, b—Romance Philology
- 25—Elementary Aural-Oral Practice (in German)
- 27a—Elementary German Conversation and Composition
- 28b—Introduction to Modern German Literature
- 29—Survey of German Literature in English Translation
- 130—Proseminar in Sudermann
- 183a, b—Spanish Literature of the XX Century

Music

- 15a-q, 16a-q, 17a-q, 18a-q, 31a-q, 32a-q—Applied Music in Piano, Strings, Voice, Organ, Woodwind and Brass and Percussion Instruments
- 42—Public School music
- 46b, 46j—Class Instruments in Oboe and French Horn
- 49a-b—University Chorus
- 102a—Vocal Pedagogy
- 106a—Piano Literature
- 107b—Vocal Literature
- 110—Research Problems in Pedagogy of Theory
- 118—Marching Band Technique
- 120a—Survey of Music Literature
- 123—Survey of Contemporary Music
- 124a-c—Opera Workshop
- 203—Choral Literature and Technique
- 204—Advanced Band Technique
- 206—17th and 18th Century Music
- 214—Advanced Instrumental Conducting
- 220—Research Methods
- 224a—Advanced Musical Analysis
- 243—Advanced Methods and Materials in Musical Education
- 244—History and Philosophy of Music Education

Philosophy

- 21—Introduction to Philosophy
- 118—Plato and Aristotle
- 120—Great Religions

Physical Education

- 1-6—Service Courses (Folk Dancing, Beginning and Inter. Swimming, Tennis, Archery, Badminton, Horseback Riding, Horsemanship)
- 49—Individual Sports for Women
- 51—Co-recreational Activities
- 52, 53—Swimming and Diving (For Men and Women)
- 60—Physical Education in the Elementary School
- 85—Advanced Jumping (Horseback)
- 86—Equestrian Dressage

- 87—Intermediate Dressage
- 140—Organization and Administration of Physical Education
- 143—History and Principles of Physical Education
- 144—Physical Education in the Secondary School
- 154, 155—Advanced Aquatics (For Men and Women)
- 158a—Sports Officiating for Men
- 165—Safety in Physical Education
- 180—Administration and Organization of Recreation
- 181—Camping in Education
- 186—Equitation Teaching
- 195—Folk Dance Leadership
- 240—Graduate Seminar in Physical Education
- 241—Current Studies and Trends in Health and Phys. Ed.
- 243—Problems in Administration of Athletics
- 244—Tests and Measurements in Health and Phys. Ed.
- 280—Problems in Recreation

Physics

- 1a, 1b—General Elementary Physics
- 3a—General College Physics
- 108—Light
- 111—Electricity and Magnetism
- Other advanced courses will be offered if demand for them arises.

Political Science

- 51—American Government
- 80—State Government
- 150—International Law
- 159a, 159b—American Constitutional Development
- 166—United Nations
- 177a—Public Administration
- 179—Political Leadership
- 206—Special Problems in Public Administration
- 211—Civil Liberties
- 171b—Contemporary Political Theory

Psychology

- 1a, 1b—Introduction to Psychology
- 2—Applied Psychology
- 7—Psychology of the Child
- 8—Individual Differences
- 114—Abnormal Psychology
- 115—Genetic Psychology
- 124—Mental Hygiene
- 127—Introduction to Industrial Psychology
- 130a—Speech Correction: A Survey
- 130b—Speech Correction: An Introduction to Therapy
- 203a-h—Problems in Psychology
- 210a-h—Research in Psychology
- 238—The Rorschach Test
- 311a-h—Practicum in Student Personnel
- 315a-b—Practicum in Speech Therapy
- 431a-p—Special Field Practicum

Radio Arts

- 1a, 1b—Radio Today
- 2a—Radio Announcing
- 105—Radio Script-Writing
- 106a, 106b—Radio Production

Social Work

- 105—Child Welfare Services
- 122—Field of Social Work
- 140a—Principles of Social Group Work
- 127a, b—Tutorial Work in Social Work

Sociology

- 3a, 3b—Societies Around the World
- 103—Criminology
- 106—Principles of Sociology
- 109a—The Family (June 23-July 20)
- 132a, b—Intergroup Relations (June 23-July 30)
- 202a-j—Special Problems in Sociology

Zoology

- 1—Principles of Animal Biology
- 11—Nature Study
- 105—Parasitology
- 108a—Principles of Zoology
- Problems in Ornithology (202a-d); Parasitology (205a-d); Limnology and Ecology (209a-d); Ichthyology (212a-d); Herpetology and Mammalogy (221a-d); Speciation (222a-d)

College of Agriculture and Home Economics

Agricultural Economics

- 1—Agricultural Economics
- 114—Current Farm Management Problems
- 140—Agricultural Policy
- 150—Agricultural Prices
- 160—Special Problems in Agricultural Economics
- 216—Research Methods in Agricultural Economics
- 260a-c—Special Problems in Agricultural Economics

Agromony

- 101—Pasture Production and Management
- C103—Weeds
- 109a-c—Special Problems in Crops
- 114—Fertilizers and Soil Fertility
- C120—Soil Physics
- 112a-d—Special Problems in Soils
- 212a-d—Research in Soils
- 245a-d—Research in Plant Pathology

Animal Industry

- 1—Farm Livestock Production
- 27, 127—Survey of the Dairy Industry (Inter-Session Course) (June 9-25)
- 61—Genetics
- 106—Pork Production
- 109a-c—Special Problems in Animal Husbandry
- 129a-d—Special Problems in Dairying
- 149a-c—Special Problems in Poultry
- 161—Genetics
- 221a-c—Research in Dairying
- 241a-c—Research in Poultry
- 289a-c—Special Problems in Animal Nutrition
- 500, 1, 2, 3—Thesis

Animal Pathology

- 102—Infectious Diseases of Domestic Animals

Farm Engineering

- 3—Farm Structural Engineering
- 4—Farm Shop
- 106—Advanced Farm Machinery
- 107—Advanced Farm Structures

Rural Sociology

- 160—Rural Community Analysis

School of Home Economics

- 3—Dietetics for Nurses
- 20—Clothing
- 28—Clothing and Pattern Designing
- 52—Introduction to Child Development
- 101—Principles of Nutrition
- 102—Dietetics
- 114—Food Preservation
- 128a-c—Special Problems in Clothing and Costume Design
- 130a—Interior Decoration Projects
- 135—Decorative Textiles
- 137—Tailoring
- 138a-c—Special Problems in Interior Decoration
- 154—Family Living
- 161—Consumer Problems
- 162b—Home Management and Family Relationships Laboratory

College of Engineering

Architectural Engineering

- 1—Architectural Rendering
- 4a—Architectural Design
- 6a—Advanced Architectural Design

Civil Engineering

- 15—General Surveying
- 16b—Route Surveying
- 17—Hydrographic Surveying
- 18—Mapping and Topographic Drawing
- 81—Testing Materials
- 107—Soil Mechanics
- 110a—Reinforced Concrete
- 110b—Reinforced Concrete
- 120—Hydraulics
- 123—Hydraulics Laboratory
- 151—Water Supply and Waterworks
- 152—Sewers and Sewage Disposal
- 159—Design and Operation of Waterworks and Sewers
- 171a—Theory of Structures
- 171b—Theory of Structures
- 173a—Steel Structures
- 173b—Steel Structures
- 174—Graphic Solutions

Electrical Engineering

- 11—Electrical Laboratory
- 21R—Principles of Electrical Engineering
- 21L—Principles of Electrical Laboratory
- 107R—Electrical Controls
- 107L—Electrical Controls Laboratory
- 116R—Alternating Current Machinery
- 116L—Alternating Current Machinery Laboratory
- 120—Electrical Circuit Analysis
- 151a—Seminar
- 151b—Seminar
- 152a-c—Independent Problems
- 152d-f—Independent Problems
- 161R—Vacuum Tube Electronics
- 161L—Vacuum Tube Electronics Laboratory
- 162R—Radio Circuits
- 162L—Radio Circuits Laboratory
- 165—Fields and Waves
- 210—Symmetrical Components

Engineering—General

Applied Mechanics

- 3—Statics
- 4—Dynamics
- 7—Dynamics
- 100—Strength of Materials
- 107—Mechanical Vibrations

Engineering Drawing

- 1a—Elementary Engineering Drawing
- 1b—Descriptive Geometry
- 2—Mechanical Drawing (For students in Industrial Chemistry)
- 18—Advanced Engineering Drawing

Mechanical Engineering

- 15a—Manufacturing Processes
- 15b—Manufacturing Processes
- 100a—Machine Design
- 107—Fluid Mechanics
- 108—Internal Combustion Engines
- 113b—Mechanical Laboratory
- 122a—Seminar
- 122b—Seminar
- 136—Internal Combustion Engine Laboratory

Metallurgical Engineering

- C60—Metallurgical Laboratory and Shop Practice

Mining Engineering

- 131—Mine Surveying Practice

College of Law

- 122—Property III
- 147—Restitution
- 164—Conflict of Laws
- 178—Creditors' Rights
- 180—Labor Law
- 172—Legal Research and Writing

College of Education

Division of Administration

- 101—School Organization
- Courses open only to Graduate Students:*
- 202—Local School Administration
- 210a, b—Independent Work in School Administration
- 225—Supervision of Instruction
- 231—Business Administration and Finance of Public Education
- 232—High School Administration
- 301a, b—Research Problems in Educational Administration

Division of Foundations of Education

- 119—The Elementary School Pupil
- 122—Educational Tests and Measurements
- *132a, b—Intergroup Relations (June 23-July 30)
- C147—The Secondary School Pupil
- 148—Educational Psychology
- Courses open only to Graduate Students:*
- 201—Foundations of Education
- 222—Methodology of Educational Research
- 230—Educational Sociology
- 241b—Seminar in Foundations of Education (Workshop in Moral and Spiritual Values) (June 21-July 16)
- 255a, b—Guidance and Counseling in Today's Schools

*Same as Sociology 132a, b

Division of Instruction

Department of Business Education

- 158b—Teaching Bookkeeping and Accounting
- Courses open only to Graduate Students:*
- 208a-d—Problems in Business Education
- C257a, b—Seminar in Business Education
- 270—Business Education in Colleges and Universities

Department of Curriculum and Instruction

- 175g—Modern Educational Problems: Education of Handicapped Children (July 19-August 6)
- 186—Visual Teaching
- Courses open only to Graduate Students:*
- 224—Organization and Supervision of Student Teaching (July 26-August 14)
- 227—Principles of Curriculum Construction
- 234—Problems of Curriculum Making (Core Curriculum in Junior and Senior High School) (June 21-July 16)

Department of Elementary Education

- 20—Arts and Crafts in the Elementary School
- 42—Teaching Arithmetic in the Elementary School
- C44—Child Development and the Curriculum
- 110—Advanced Arts and Crafts in the Elementary School
- *C133—Student Teaching in the Elementary School
- 172—The Teaching of Reading
- 173—Children's Literature
- 196—Science in the Elementary School
- Courses open only to Graduate Students:*
- 212—The Elementary School
- 215a, b—Independent Work in Elementary Education
- 229—The Elementary Principal

*Open only to those who have had teaching experience in a regularly organized school. Application should be made in advance in order that prerequisites may be checked.

Department of Music Education

- Courses open only to Graduate Students:*
- 243—Advanced Methods and Materials in Music Education
- 244—History and Philosophy of Music Education

Department of Secondary Education

- 105—Fundamentals of Secondary Education
- 111—The Teaching of Reading in the Junior and Senior High School
- Courses open only to Graduate Students and Seniors:*
- *142—Student Teaching in Art
- *153—Student Teaching in English
- *154—Student Teaching in Languages
- *155—Student Teaching in the Sciences
- *156—Student Teaching in Mathematics

*Open only to those who have had teaching experience in a regularly organized school. Application should be made in advance in order that prerequisites may be checked.

- *157—Student Teaching in the Social Studies
- *169a, b—Student Teaching in Physical Education (by special arrangement only)
- *177a, b—Student Teaching in Music
- *193—Student Teaching in Business Education
- Courses open only to Graduate Students:*
- 214—The Secondary School
- 248a, b—Independent Work in Secondary Education

*Open only to those who have had teaching experience in a regularly organized school. Application should be made in advance in order that prerequisites may be checked.

Division of Vocational Education

Department of Agricultural Education

- 179—Determining Content in Vocational Agriculture (June 21-July 9)
- Courses open only to Graduate Students:*
- 280—Method in Teaching Vocational Agriculture (July 12-30)
- 285—Modern Problems in Agricultural Education (June 21-July 9)
- 287a—Advanced Problems in Agricultural Education
- 287b—Selecting Teaching Materials (July 12-30)
- 287c—Adult-Farmer Schools (June 21-July 9)
- 287e—Teaching Farm Shop (July 12-30)
- 287f—Young-Farmer Schools (June 21-July 9)
- 289a, b—Research in Agricultural Education

Department of Home Economics Education

- *C166a-d—Problems in Home Economics Education (Improvement in Teaching Foods) (June 21-July 16)
 - Courses open only to Graduate Students:*
 - 264—Modern Trends in Home Economics Education (June 21-July 16)
 - 261—Home Economics Supervision (July 19-August 13)
- *May be taken only in combination with Home Economics 116.

Department of Industrial Education

- 71—Trade Analysis (August 2-13)
- 82—Instructional Material in Industrial Education (August 16-27)
- 136—Survey in Industrial Education (August 2-13)
- 171b—Principles and Philosophy of Industrial Education (August 2-13)
- 183a—Method in Industrial Education (August 2-13)
- 183b—Method in Industrial Education (August 16-27)

College of Commerce

Economics

- 3—Economic History of the United States
- 7a—Principles of Accounting
- 7b—Principles of Accounting
- 51—Principles of Economics
- 52—Principles of Economics
- 102—Labor Economics
- 103—Transportation
- 104—Public Finance
- 105—Money and Banking
- 107—Statistical Method
- 110—Business Cycles
- 112a-f—Individual Work in Economics
- 115—Value and Distribution Theory
- 143—Life Insurance
- 147—American Business Leaders
- 148—European Business Leaders
- 167—Tutorial Work in Economics
- 202a-f—Seminar
- 203—History of Economic Thought
- 211—Advanced Money and Banking
- 212a-f—Research Problems in Economics

Commerce

- 7a—Principles of Accounting
- 7b—Principles of Accounting
- 13a—Secretarial Practice, Shorthand
- 13b—Secretarial Practice, Shorthand
- 14a—Advanced Secretarial Practice
- 14b—Advanced Secretarial Practice
- 17a—Secretarial Practice, Typewriting
- C17a—Secretarial Practice, Typewriting (Intensive course to gain vocational proficiency)
- 17b—Secretarial Practice, Typewriting
- 19—Office Appliances and Procedures
- 60—Principles of Marketing
- 62—Advertising
- 96a—Intermediate Accounting
- 96b—Intermediate Accounting
- 101a-c—Secretarial Job Training
- 109a—Business Law
- 109b—Business Law
- 117—Corporation Finance
- 118—Cost Accounting
- 119—Retail Merchandising
- 129—Credit and Statement Analysis
- 133—Income Tax Procedure
- 137—Industrial Management
- 145—Office Management
- 162—Small Business Operations
- 237—Advanced Business Management
- 260—Advanced Marketing Management

Short Course

- 177b—College Business Management (July 26-August 7)

Summer Session CALENDAR

- June 21—Classification
- June 22—Registration
- June 23—Classes begin
- June 29—Last date to enter an organized class
- Aug. 13—Commencement

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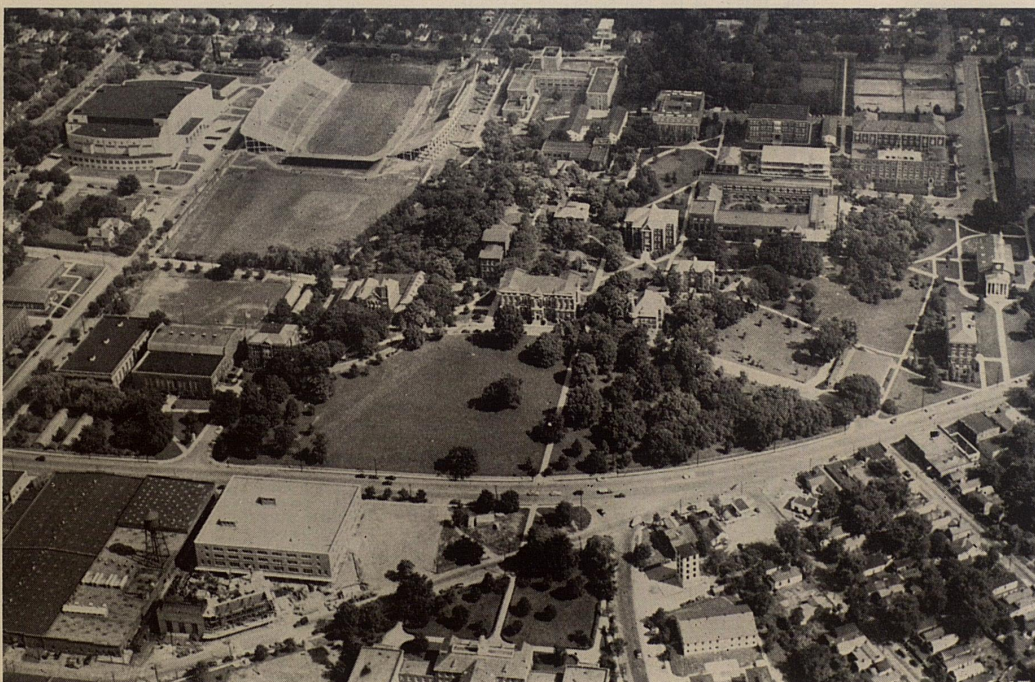
Lexington, Ky.

UNIVERSITY OF KENTUCKY

OF THE

BULLETIN

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For a pleasant and profitable summer . . .