

4-1947

# 1947 Xavier University Graduate Division Summer Sessions Course Catalog

Xavier University, Cincinnati, OH

# XAVIER UNIVERSITY BULLETIN

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Volume XXX

APRIL, 1947

No. 4

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## GRADUATE DIVISION



*Announcements for Summer Session 1947*

# XAVIER UNIVERSITY BULLETIN

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Vol. XXX

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## GRADUATE DIVISION



ANNOUNCEMENTS FOR  
SUMMER SESSION, 1947

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## Calendar, 1947

### Summer Session Graduate Division

JUNE 20-21 . . . . .	Registration*
JUNE 23 . . . . .	Classes Begin
JUNE 26 . . . . .	Last Day for Late Registration
JULY 4 . . . . .	No Classes
JULY 15-16 . . . . .	Graduate Record Examinations
AUGUST 4 . . . . .	Examinations
AUGUST 5 . . . . .	Close of Graduate Session

\*Prior registration by appointment is strongly encouraged.

## Council on Graduate Studies

CELESTIN J. STEINER, S.J.

President of the University

RAYMOND F. MCCOY, A.M., ED.D.

Acting Director, Graduate Division and  
Chairman, Department of Education

WILLIAM P. HETHERINGTON, S.J., A.M., S.T.L., PH.D.

Chairman, Department of Classics

FREDERICK N. MILLER, S.J.

Chairman, Department of Chemistry

W. EUGENE SHIELS, S.J., A.M., PH.D.

Chairman, Department of History

VICTOR C. STECHSCHULTE, S.J., A.M., M.S., PH.D.

Chairman, Department of Mathematics and Physics

PAUL D. SULLIVAN, S.J., A.M., PH.D.

Professor of English

CHARLES F. WHEELER, A.M., PH.D.

Chairman, Department of English

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## Instructional Staff—Graduate Division

ROBERT F. CISSELL, B.S.E.E. . . . . Instructor in Mathematics

GEORGE F. DONOVAN, PH.D. . . . . Visiting Professor of Education

HARVEY A. DUBE, PH.D. . . . . Instructor of Chemistry

RICHARD J. GARASCIA, M.S. . . . . Assistant Professor of Chemistry

WILLIAM P. HETHERINGTON, S.J., PH.D. . . . . Assistant Professor of  
Classical Languages

ROBERT J. LAVELL, M.A. . . . . Visiting Associate Professor of Education

ROBERT E. MANNING, S.J., A.M. . . . . Professor of Classical Languages

RAYMOND F. MCCOY, ED.D. . . . . Professor of Education

FREDERICK N. MILLER, S.J. . . . . Professor of Chemistry

HERMAN J. MULLER, S.J., A.M. . . . . Instructor in History

ROCCO PAONE, A.M. . . . . Instructor in History

PAUL A. PARENT, PH.D. . . . . Instructor in Chemistry

RAYMOND W. M. PORTER, PH.D., ED.D. . . . . Associate Professor of Education

KLAUS SCHOCKEN, PH.D. . . . . Instructor in Mathematics

W. EUGENE SHIELS, S.J., PH.D. . . . . Professor of History

VICTOR C. STECHSCHULTE, S.J., PH.D. . . . . Professor of Mathematics

PAUL D. SULLIVAN, S.J., PH.D. . . . . Associate Professor of English

PAUL J. SWEENEY, S.J., A.M. . . . . Professor of English

JOSEPH A. WALSH, S.J., A.M. (CANTAB) . . . . Professor of Classical Languages

FRANK N. WHEELAN, PH.D. . . . . Associate Professor of Education

CHARLES F. WHEELER, PH.D. . . . . Professor of English

WILLIAM H. WILLER, PH.D. . . . . Associate Professor of English

## General Information

Because of the fact that men and women are today seeking higher education in ever growing numbers, Xavier University deemed it proper to inaugurate graduate studies. In the summer session of 1947 graduate courses are offered in chemistry, classical languages, education, English, history, and mathematics.

The Graduate Council encourages the registration of both *special students* and *degree students*. *Special students* are those students who, with the approval of the head of the department concerned, register for individual courses which they may pursue with profit, without regard to degree requirements. *Degree students* are those students who register with the expressed intention of following a program leading to a graduate degree.

### Registration

Friday, June 20, and Saturday, June 21, 9:00 A.M.-4:00 P.M., have been officially designated as registration days for graduate students. Registration will be held in Albers Hall. Students are encouraged, however, to register before these dates if it is convenient for them to do so. Arrangements for such earlier registration may be made by calling the Secretary to the Graduate Division.

### Facilities

The cafeteria in the Union House will be open to students.

A student who wishes to make use of the Field House, playing fields, tennis courts, bowling alleys, etc., must pay the regular activities fee of \$5.00.

### Housing

Rooms in the university dormitories are available in limited numbers to men students. Application should be made through the Registrar.

### Religious Conferences

At convenient times to be determined, there will be held for the Religious attending the Summer Session, a series of spiritual conferences to be conducted by members of the Society of Jesus.

### Educational Lectures

At intervals during the Summer Session special lectures on educational topics will be given to students in the Department of Education.

## THE DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCES

### Objectives

Because of the difference in subject matter the objectives of the Master of Arts and Master of Science degrees are not identical. In the Master of Arts program greater emphasis is laid upon cultural and liberal pursuits. Thus in mathematics either a Master of Arts or a Master of Science degree may be obtained depending on the student's interest in pure or applied mathematics. Yet since Xavier's undergraduate program, which is the norm of admission for graduate students, calls for a broad background of general education, of philosophy, and of Christian culture even for the Bachelor of Science degree, so the final goal of the two graduate degrees is approximately the same. It is this: that the student may have a specialized knowledge of his chosen field, coupled with an intelligent appreciation of the place of that field in the wide panorama of human thought.

Accordingly, these degrees are awarded to the candidate who has demonstrated a capacity for further study or teaching by satisfactorily completing a program of graduate work designed to give him these characteristics:

1. An understanding of the relations of his subject to allied subjects and to the synthesis of Christian culture, which is the basis of Western civilization;
2. A comprehensive knowledge of the broad field of learning in which the degree is conferred;
3. A specialized knowledge of a portion of that field;
4. Proven ability to do research in the special field of study.

### General Requirements

In accordance with the above objectives the general requirements for the degrees are respectively:

1. Completion of such undergraduate prerequisites as will give assurance of the candidate's general educational background.  
Satisfactory completion of the Graduate Record Advanced Test;
2. Completion of a program consisting of at least twenty-four hours of integrated classroom study within the student's chosen field;
3. Production of an acceptable thesis of a research character. To safeguard the cultural objectives it should be kept in mind that the result of research can be synthesis as well as analysis. For the thesis six credit hours (completing the required thirty hours) will be awarded on the recommendation of the thesis adviser.

## THE DEGREE OF MASTER OF EDUCATION

### Objectives

The degree of Master of Education, a professional degree, is designed to meet the needs of teachers and school administrators actually engaged in school work. It has one basic aim: stimulating better teaching wherever the influence of the successful candidate may extend, whether it be in an individual classroom, an entire school, or a whole school system.

Accordingly, this degree is awarded to the candidate who has demonstrated a capacity for improving the quality of teaching within the particular sphere of his influence by satisfactorily completing a program of graduate work designed to give him these characteristics:

1. Broadened appreciation of the proper objectives of education in modern society;
2. Deepened understanding of the psychological factors in learning;
3. Wide acquaintance with effective classroom techniques;
4. Intimate familiarity with the principles and practices of school administration;
5. Essential understandings and skills necessary for intelligent consumption of educational research;
6. Greater academic mastery of subject matter (for students selecting graduate work in an academic field).

### General Requirements

Requirements for the degree of Master of Education are specified with certain basic considerations in mind:

1. Sufficient flexibility is necessary to care adequately for the particular needs of the in-service educator who enrolls for the degree;
2. Before students are accepted as candidates for this degree, they must demonstrate a basic knowledge of the general field of education as generally required of undergraduates planning to teach;
3. Graduate programs must be so planned as to insure the student's attaining a comprehensive knowledge of professional theory and practice in the principal areas of the field; a detailed knowledge of at least one major area of specialization for high school teachers this area may be an appropriate academic field; and capability in the skills and knowledge necessary for intelligent comprehension and use of educational research.

### Undergraduate Prerequisites

Students electing graduate work leading to the Degree of Master of Education must present the following undergraduate courses in education or their equivalent:

Principles of Education;

Educational Administration, Organization, and Management;

Educational Psychology (prerequisite, general psychology);

Methods of Teaching.

### Program of Studies

To insure comprehensiveness in their programs for the degree of Master of Education, all candidates must include in their programs each of four general survey courses designed, in their whole, to provide integrated coverage of the broad field of education. These courses are:

Ed. 201, 202. Philosophy of Education, A Survey;

Ed. 203, 204. Educational Psychology, A Survey;

Ed. 205, 206. Educational Administration, A Survey;

Ed. 207, 208. Education Research from the Consumer Point of View, A Survey.

To insure their mastery of a particular area of education, all candidates must include in their programs a concentration of at least twelve credit hours in one of the following *areas of concentration*: elementary education, secondary education, educational psychology, educational administration, or an academic field. Thus the area of concentration may also be in any of the academic departments in which graduate courses are offered.

Students electing graduate courses which they plan to submit in fulfillment of requirements for the degree of Master of Education, must have their programs approved by the Director of the Department of Education in advance of their registration for courses if they are to be assured of the appropriateness of their selection.

### Quantitative Requirements

A minimum of thirty hours is required for the degree of Master of Education. These shall be distributed as follows:

General surveys in education, twelve to sixteen credit hours. Survey courses are each designed as full year courses for which four credit hours are awarded. During the summer session, however, because of time limitations, only three credit hours are awarded. Since the material covered during the summer session is substantially the same as in the longer academic year, these courses will demand more outside work than the average three credit hour course.

Concentration, twelve credit hours. When the area of concentration is in education, the survey of a particular field may be included in the twelve credit hours required for concentration. The survey in Philosophy of Education may be included in either the elementary or secondary education areas.

Pertinent electives, two to nine credit hours. The number depends on the amount of hours needed to complete the thirty hours which are required.

### Qualitative Requirements

The degree of Master of Education will be awarded only to candidates who have passed an oral examination lasting one hour on the general field of education as covered by the four survey courses and the individual's area of concentration.

## GENERAL REGULATIONS

### Admission

Application for admission to graduate studies is made in form. Application forms can be had on request. Applications should be followed promptly by a transcript of applicant's credits.

Students electing graduate work leading to a Master's degree must present evidence of having a bachelor's degree from an accredited institution, and also present official transcripts of his record from each college in which credit was obtained. Others will be registered as special students.

An applicant with a bachelor's degree from a non-accredited institution is not admitted to full graduate standing until he has successfully completed at least six hours of graduate work with the required grades, and has been accepted by a Committee of the Graduate Council on recommendation of the student's adviser.

Since graduate work is work done under direction, the Director of the Department of the student's major subject must decide on the student's preparation for graduate study in that department; and he, or one appointed by him, will be the student's adviser throughout. The general prerequisites for graduate work in any department must be the equivalent of an undergraduate major at Xavier University.

Seniors of satisfactory academic standing who are within nine hours of completing their undergraduate requirements for the bachelor's degree may, in their last semester, register with the Graduate Committee for graduate work, but not for more than six hours of such work.

### Candidacy

Candidacy shall begin when, after the student's completion of six hours of graduate work, his application shall have been passed by the graduate council. Every student must make such application after completing six hours of work at Xavier and those thought unfit will be advised to discontinue their course.

No more than five years may elapse between candidacy and completion of work for the degree.

A student who attends only summer sessions may be granted a graduate degree provided he is engaged in work related to his major subject. This supposes that no more than five years shall elapse between his candidacy and the completion of his work.

### Requirements

Thirty semester hours of graduate work will be demanded of an applicant for any of the above degrees. In the case of applicants for a Master of Arts or Master of Science degree, twenty-four hours of such work will be devoted to fulfilling the course requirements and six hours to fulfilling the thesis requirement. Applicants for the Master of Education degree will devote the thirty hours to course requirements.

Students will be allowed to transfer no more than six graduate credits from other institutions.

Familiarity with at least one foreign language is required for cultural background and use in research, for degrees requiring a thesis.

Distribution of the course requirements must be approved by the Director of the Department of the major subject. At least one-half of the courses taken must be fulfilled in that department. Candidates, however, for the Master of Arts and Master of Science degrees, are advised to take all their work in their major department.

Character of the courses required is subject to the decision of the adviser. At least one-half the hours of credit in the major subject and one-half the total number of hours toward the degree must be obtained in courses numbered 200 or above, which are distinctly graduate courses.

### Examinations and Marking

The symbols used to indicate the evaluation of course work is as follows: A indicates not only high achievement but also an unusual degree of intellectual ability and initiative; B indicates attainment above average; C indicates work of minimum or average attainment; D work of inferior quality but passing; F indicates failure. To pass, graduate students must do work of B quality in courses numbered 100 to 199, and of C quality in courses numbered 200 or higher.

The candidates for graduate degrees shall be required to pass an oral examination. It shall be the policy of the Graduate Division to give these examinations within three weeks of the end of the final semester. The head of the major department or one appointed by him shall be chairman of the examining committee and shall be responsible for the giving of the examination.

The matter for the oral examination shall be based primarily on the student's courses and, if he is a candidate for the Master of Arts or Master of Science degree, on his thesis. It is understood, however, that a candidate's general knowledge of his field must be found satisfactory by his examiners.

The thesis required for the Master of Arts or Master of Science degree should embody the results of the applicant's research in some problem of his major subject, and must at each stage be under the direction of the Director of the Department of that subject or of one appointed by him.

The student must submit three typed copies of his thesis after it has been formally approved.

## Graduate Record Examination

All applicants for admission to the Graduate Division will be required to take the Graduate Record Examination at Xavier University, or to bring with them an official report of their scores. This report must include results of the general profile tests and results of the advanced tests in the student's proposed field of specialization if one is available in that field. Scores made on this examination permit the student to know accurately his strength or weakness in the various fields of knowledge in relation to national norms for comparable students. In addition, the scores will aid the faculty in the guidance of the student.

### Tuition and Fees

Matriculation (payable once—degree students only).....	\$10.00
Graduate Tuition (per credit hour).....	10.00
Science Fee (per course).....	10.00
Science Deposit (per course—partly refundable).....	10.00
Graduate Record Examination.....	3.00
Binding of Thesis.....	3.00
Graduation Fee.....	25.00

### Contingent Fees

Late Registration.....	\$ 5.00
Special Examination.....	2.00
Duplicate Transcript.....	2.00

All accounts must be paid on the day of registration. Attendance at classes will not be permitted until all financial obligations have been completed. Accounts not paid in full within ten days after the day designated in the University Calendar as Registration Day are subject to a *Service Charge* of \$2.00.

### Withdrawal

Withdrawal from a course should be reported at once to the Director of Graduate Division by the student, in person or in writing.

### Refunds

A refund of *tuition* may be claimed in the case of withdrawal or dismissal. The amount refunded will be diminished by 20 per cent of the total initial amount for each four class days of attendance. No refund will be made after the student has been in attendance for more than sixteen class days. Fees are not refunded.

A refund of *dormitory expenses* may be claimed in the case of withdrawal or dismissal. The amount of refund will be made strictly on the basis of the proportionate number of weeks of residence.

All refunds are made on application in writing to the Bursar. The amount of refund will be calculated from the date of application.

## Notes on Undergraduate Courses

Only graduate courses are listed in this Bulletin. Undergraduate courses will be available to students of the Graduate Division needing to satisfy departmental prerequisites. However, all students of the Graduate Division, even though registering for undergraduate work, will register through the Graduate Office.

Undergraduate courses will be offered in Biology, Chemistry, Economics, English, History, Mathematics, Modern Languages, and Philosophy.

*Registration in undergraduate courses in chemistry will be strictly limited.* Accordingly, students of the Graduate Division who desire to take undergraduate courses in chemistry must signify these intentions to the Secretary of the Graduate Division *well in advance* of the days of formal registration so that laboratory space may be reserved for them. The following undergraduate courses in chemistry will be offered:

- Ch 3, 4. General Inorganic Chemistry;
- Ch 101, 102. Organic Chemistry;
- Ch 115, 116. Quantitative Analysis.

Students in these courses will elect a year's work in any one course to be given over an eight week period from June 23 to August 16.

## Graduate Courses

NOTE.—The University reserves the right to cancel any course for which fewer than five students enrol, and to limit the number of students registering for any course.

### Department of Chemistry

	<i>Credits</i>	<i>Time*</i>	<i>Instructor</i>
<b>Ch 206—Qualitative</b>			
Organic Analysis	3	.....	Staff
A review of the methods of qualitative organic analysis with certain quantitative procedures and the preparation of suitable derivatives. Lecture and laboratory.			
<b>Ch 235—Physical Organic</b>	2	.....	Staff
Resonance, color and constitution, quantum theory, stereochemistry, absorption spectra, etc. Lecture.			
<b>Ch 252—Organic</b>			
Preparations	1-2	.....	Staff
Lecture hour and laboratory work. Representative preparations involving library work will be assigned and weekly reports required. Laboratory.			

\*All graduate students in chemistry will meet at 8:30 on the opening day of class. At that time specific lecture and laboratory periods will be arranged. Chemistry students will generally have to be available the greater part of each day.

### Department of Classical Languages

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>Lt 272—Cicero—De Finibus, De Officiis, De Natura Deorum</b>	3	8:30- 9:45	Staff
A study of beginnings and developments of Stoicism, Epicureanism, particularly their ethical content, and some ideas of God. The effect and adaptation of these Greek systems on Roman thought.			
<b>Lt. 233—Latin Lyric Poetry</b>	3	11:10-12:25	Staff
Catullus, Tibullus, Propertius, and Ovid. Comparison with Greek lyric and elegy.			

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>Lt 282—Roman Imperial</b>			
Period	3	9:50-11:05	Fr. Manning
An investigation in the coins of the Emperors, and in the science of numismatics. This science, auxiliary to and revealing so much of history and literature, will be studied in itself and in its examples up to the year 300 A.D.			

### Department of Education

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>Ed 205-6—Administration, A Survey</b>	3	8:30- 9:45	Mr. McCoy
Includes the relationships of the federal government, the state and the local government to public and private education. The functioning of accrediting agencies with discussion of present trends in accreditation. Effective organization of the individual elementary and secondary school.			
<b>Ed 201-2—Philosophy of Education, A Survey</b>	3	9:50-11:05	Dr. Donovan
Includes the historical development of educational philosophy and theories. Evaluation of major current philosophies. Significant problems of the present day with special emphasis on the elementary and secondary levels.			
<b>Ed 207-8—Educational Research from the Consumer Point of View, A Survey</b>	3	11:10-12:25	Dr. Wheelan
Major techniques and methods of educational research. Comprehension of statistical terminology of research. Specific techniques and guides for efficiently locating educational research on a given problem. <i>Registration restricted to students who need this course to complete their four surveys.</i>			
<b>Ed 203-4—Educational Psychology, A Survey</b>	3	12:30- 1:45	Dr. Porter
Includes major issues in the field of methods and educational psychology. The learning process. Factors influencing learning. The nature and extent of individual differences.			
<b>Ed 244—Curriculum Development</b>	2	8:55- 9:45	Dr. Wheelan
The desirable course of study. Committee technique of curriculum development. Production of courses of study. Examination and critical analysis of selected new courses of study. Factors necessitating continuous curriculum revision.			

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>Ed 241—Administration of the Elementary School</b>			
	2	9:50-10:40	Mr. Lavell
Criteria for an effective elementary school organization. Patterns of school organization. The school staff. Classification, evaluation, attendance, and health of elementary school children. Relations between school and home.			

<b>Ed 223—The Evaluation of the Secondary School</b>			
	2	11:10-12:00	Dr. Donovan
Present trends in accreditation of secondary schools critically examined in the light of philosophy of secondary education.			

NOTE.—Survey courses are each designated as full year courses for which four credit hours are awarded. During the summer session, only three credit hours are awarded. Since the material covered is substantially the same, these courses will demand more outside work than the average three hour course. *Students who are starting their graduate work in education during the 1947 summer session, are advised to elect Education 201-2 and Education 203-4 which will probably not be offered next summer.* That will make it possible for them to take the remaining two surveys which will be offered at the next summer session.

### Department of English

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>En 147—The English Renaissance</b>			
	3	8:30- 9:45	Fr. Sullivan
Literature of early Tudor humanism, 1485-1534, of the interim of religious controversy, 1535-1557, and of the emergence of Elizabethan period, 1558-1603, will be studied.			

<b>En 111—Aesthetics and Literary Criticism</b>			
	3	9:50-11:05	Fr. Sweeney
The philosophical basis of aesthetics, the elements of taste, the aesthetic effects, critical standards, and a study of the schools of criticism will be presented.			

<b>En 170—Victorian Poetry</b>			
	3	11:10-12:25	Dr. Wheeler
English life and thought, 1830 to 1900, will be illustrated by the study of Tennyson, the Brownings, the Rossettis, Morris, Swinburne, Arnold, Meredith, and other poets.			

<b>En 181—Survey of American Literature to 1865</b>			
	3	12:30- 1:45	Dr. Willer
Studies in the periods of American Literature, in the ideas presented, in the forms chosen to express those ideas, and in the life reflected by them.			

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>En 280—Romanticism in America</b>			
	3	9:50-11:05	Dr. Willer
An intensive study of the major works of Bryant, Poe, Emerson, and Whitman, and of authoritative critical opinion on romanticism in the United States. Each student will prepare a report upon some aspect of this field.			

<b>En 255—Milton</b>			
	3	12:30- 1:45	Dr. Wheeler
An intensive study of Milton's shorter poems, of <i>Paradise Lost</i> , of <i>Paradise Regained</i> , of <i>Sampson Agonistes</i> , of certain prose works, and of authoritative critical opinion. Each student will prepare a report upon some aspect of Milton's work.			

### Department of History

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>Hs 171—The Renaissance</b>			
	3	8:30- 9:45	Fr. Muller
The cultural achievement of European society from 1300 to 1600 with special attention to the broadening of interests and opportunities attendant upon the rise of kingship, money economy, Humanism, and ocean exploration.			

<b>Hs 189—Contemporary Problems of Peace</b>			
	3	11:10-12:25	Mr. Paone
An examination of the revolutionary political and diplomatic movements since 1914 and the special conditions arising from international conflict.			

<b>Hs 201—Introduction to Historical Method</b>			
	3	12:30- 1:45	Fr. Shiels
Required of all graduate students in history as the basis of research. The rules and methods followed in the writing of history.			

<b>Hs 207—Roman Imperial Period</b>			
	3	9:50-11:05	Fr. Manning
An investigation in the coins of the Emperors, and in the science of numismatics. This science, auxiliary to and revealing so much of history and literature, will be studied in itself and in its examples up to the year 300 A.D.			

## Department of Mathematics

	<i>Credits</i>	<i>Time</i>	<i>Instructor</i>
<b>Mt 124—Mathematical Statistics</b>	<b>3</b>	<b>11:10-12:25</b>	<b>Mr. Cissell</b>
Prerequisite: Course in Calculus. Representation of statistical data. Frequency distributions of one variable; of two or more variables. Small-sample distributions. Goodness of fit.			
<b>Mt 251—Special Functions of a Real Variable</b>	<b>3</b>	<b>12:30- 1:45</b>	<b>Dr. Schocken</b>
<b>Mt 253—Partial Differential Equations</b>	<b>3</b>	<b>9:50-11:05</b>	<b>Fr. Stechschulte</b>

## Memorandum

# Memorandum