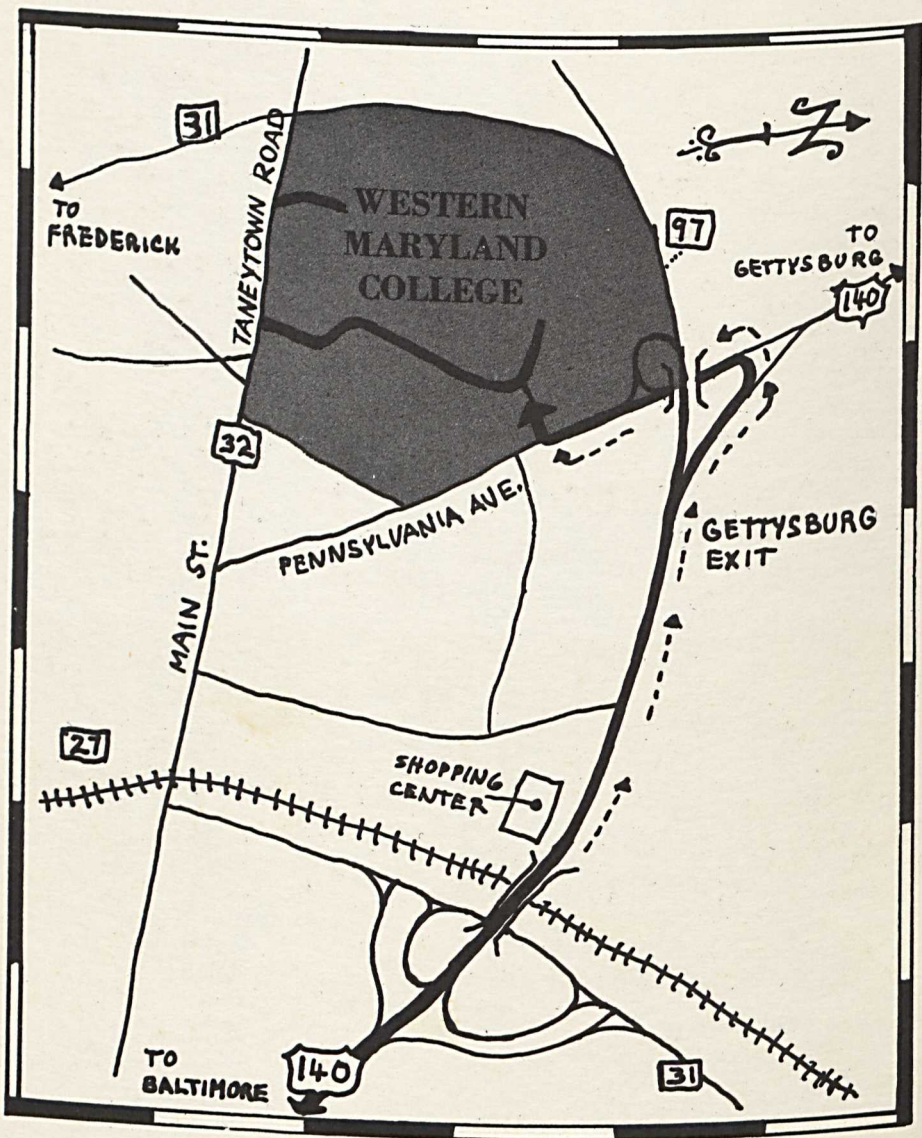
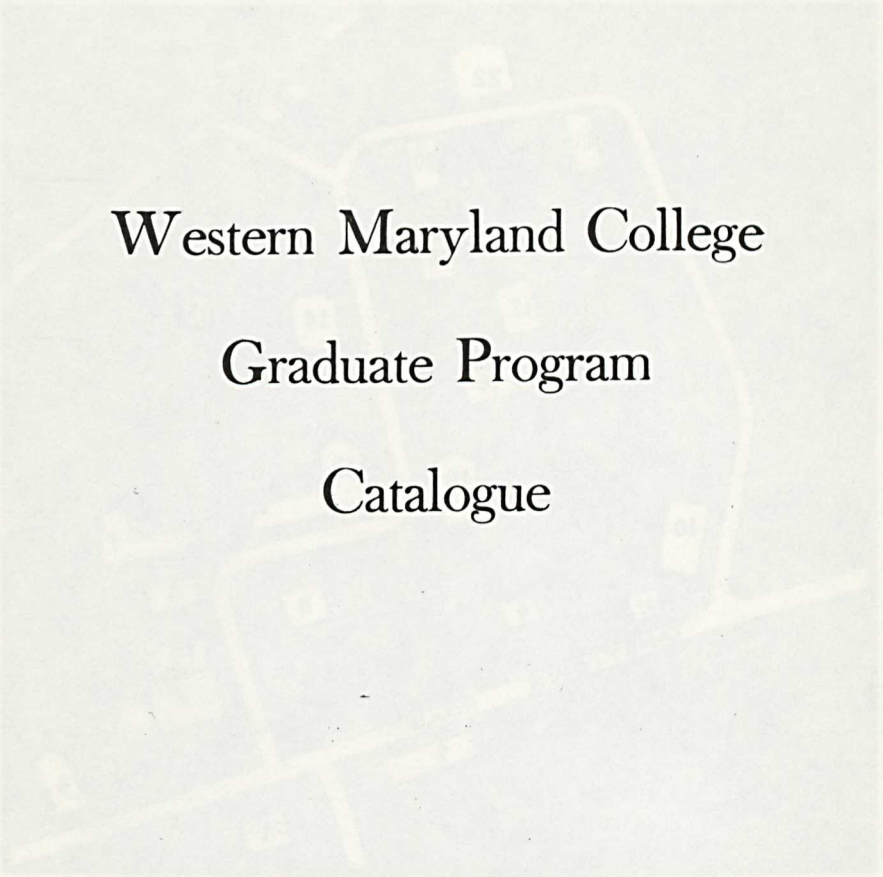




Western Maryland College  
Graduate Catalogue  
1968-1970







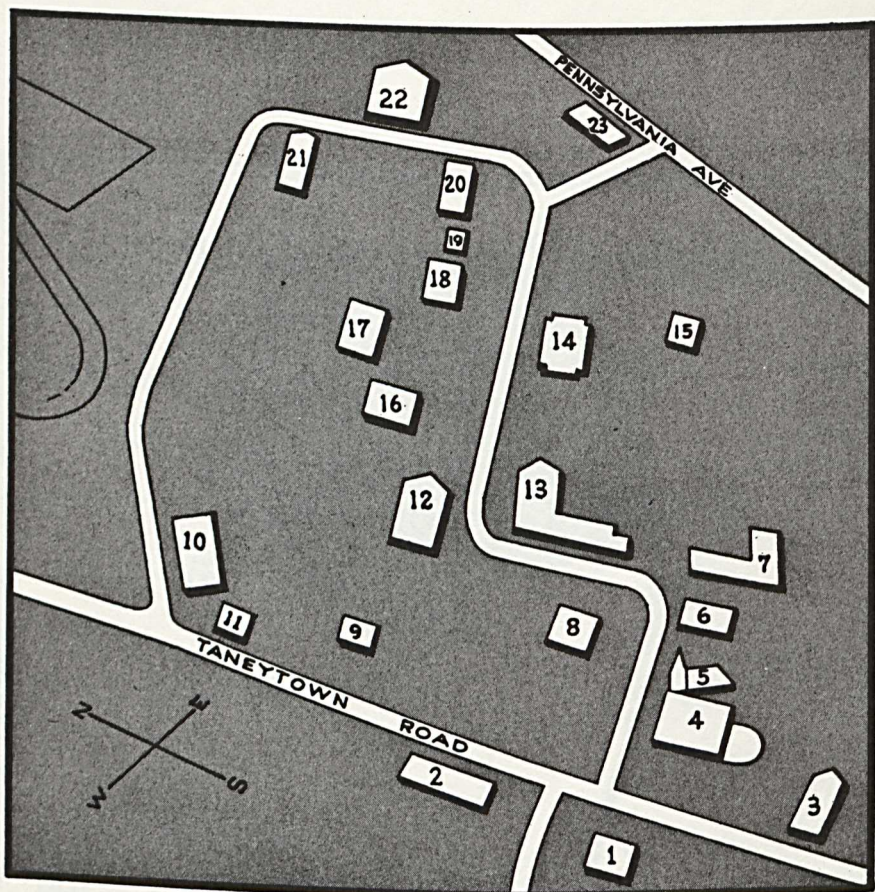
# Western Maryland College

## Graduate Program

### Catalogue

WESTMINSTER, MARYLAND

VOLUME V, No. 1



### KEY TO MAP

- |                            |                           |
|----------------------------|---------------------------|
| 1. Carroll Hall            | 13. McDaniel Dormitory    |
| 2. Infirmary               | 14. Memorial Hall         |
| 3. Levine Hall-Music       | 15. Student Housing       |
| 4. Alumni Hall             | 16. Baker Memorial Chapel |
| 5. Baker Chapel            | 17. The Library           |
| 6. Fine Arts Building      | 18. Elderdice Hall        |
| 7. Blanche Ward Dormitory  | 19. Student Housing       |
| 8. President's House       | 20. MacLea Dormitory      |
| 9. Student Housing         | 21. A. N. Ward Dormitory  |
| 10. Winslow Student Center | 22. Gill Gymnasium        |
| 11. Dean's Home            | 23. Dean's Home           |
| 12. Lewis Hall             |                           |



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# THE COLLEGE

Western Maryland College is located on a 160-acre campus in Westminster, Maryland. It is 28 miles from Baltimore on Route 140 and 58 miles from Washington, D. C., on Maryland Routes 27 and 97.

Western Maryland College is a liberal arts institution accredited by the Middle States Association of Colleges and Secondary Schools and by the University Senate of The Methodist Church. It holds membership in The American Association of Colleges for Teacher Education and the National Association of Schools of Music with the approval of that Association for a Bachelor of Arts degree in applied music and in music history and literature. The College is on the approved list of the American Association of University Women.

The College is coeducational, the first institution south of the Mason and Dixon Line to open its doors to both young men and young women. Chartered in 1868 under the auspices of the former Methodist Protestant Church, it is now one of the church-related colleges of The Methodist Church. In 1967-1968 Western Maryland celebrates its Centennial Year.

## OBJECTIVES

The primary objective of Graduate Studies is to add to the competency of teachers and other educational workers. Each course offered is justified in terms of the contribution which it makes toward a realization of the general aim of the program and the specific objectives of the individual student. Both functional and scientific in their approach, the objectives of Graduate Studies are to prepare master teachers, supervisors, and administrators who are well prepared in academic areas as well as in the arts and techniques of teaching and administration.

## THE PROGRAM

The student's program is devised to fit him as effectively and efficiently as possible for his future work. This is done by diagnostic test, interview, and inspection of the student's record in both education and teaching. Also considered are the trends and needs in the field of teaching to which he will return. At the beginning of the program a series of tests will be administered to assist in the diagnosis of the student's potentialities and needs.

The program consists of thirty credit hours, divided into three parts of approximately equal weight. Each student is required to take approximately 1/3 of his work in professional courses, 1/3 in his choice of specialization and 1/3 in broader cultural areas related to his field of specialization.

Though each student has a wide choice of courses, two specific ones are required of all members of the program: Trends in American Thought and Research in Problems of Education.



The three parts of the program are:

1. Synthesizing program, composed of a minimum of three courses:
  - a. Trends in American Thought; a course designed to relate the broad fields of knowledge to each other, providing a picture of scope, philosophy, large meanings.
  - b. Two courses designed to relate kindred fields.

2. Area of specialization:

After individual analysis, the student's main needs are estimated against the picture of the problems involved in present-day teaching of his subject in the school system. He is then expected to do nine to twelve hours of work in courses approved as his specialty.

3. Professional courses:

Nine to twelve hours of work are designed by the Education Department to equip the student with a secure, contemporary technique. Every effort is made to have the student's teaching analyzed and criticized with the aim of making him a more effective and stimulating teacher, supervisor, or administrator.

The Graduate program in education at Western Maryland College differs from many others. This special characteristic of the program is that each student has a project in which he specializes in one phase of education but at the same time broadens his general knowledge. The project (which should be selected early in the student's program), planned by the student and the education department working together, seeks to capitalize on the student's own professional purposes. The student in his program undertakes to improve his local school situation through research and experimentation in daily classroom, community, or general staff work. The college accepts no plan which does not have the approval of the school administration in which the student teaches.

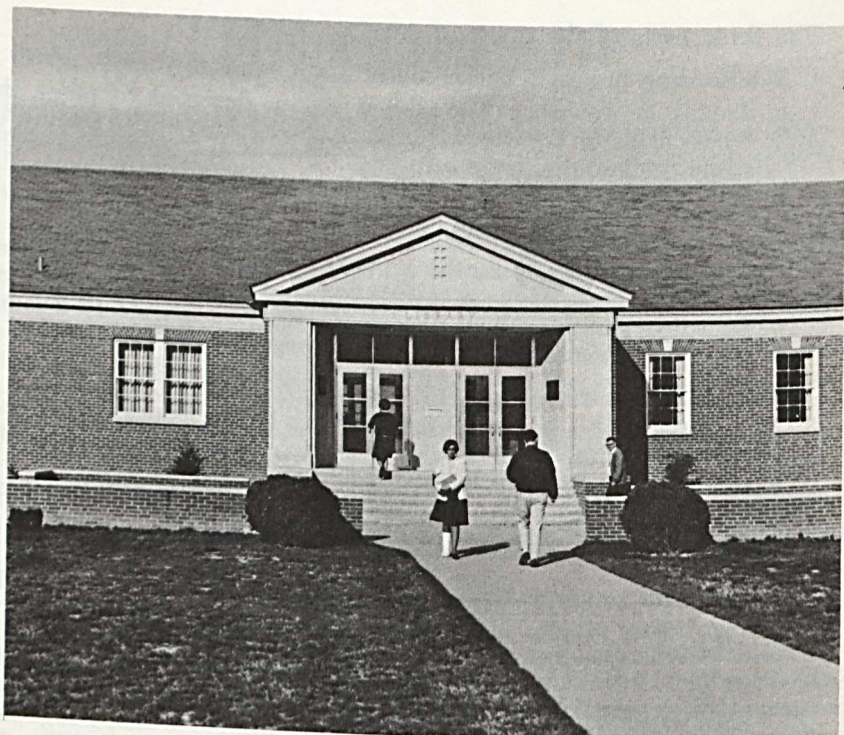
The on-the-job analysis, a major feature of the Western Maryland program, guides the student to an acquaintance with a variety of practices and investigations of the needs of his own situations. Under the guidance of the staff, the student seeks to improve practice.

### Admission Requirements

Students are admitted on the basis of evidence of their promise of leadership qualities as shown in their character, intellect, and record. Primarily the College seeks to admit those who expect to devote their careers to some aspect of the field of education. It is expected that the students will bring to their graduate studies a good quality general education plus a particular interest to be further developed. The College believes that it is most useful to the field of education by working with a small group of students who show promise of becoming influential in scholarship, teaching, and administration.

Admission to Graduate Study is based on the following:

1. A baccalaureate degree from a college or university of recognized standing.



*The College Library is located in the center of the campus.*

2. An undergraduate background appropriate for graduate study in the candidate's chosen field.
3. A record of successful teaching experience and satisfactory completion of certification requirements.
4. Evidence of personal and professional behavior acceptable to the graduate faculty.

All candidates for Graduate Studies must take the National Teachers Examinations (both common and the optional in the student's field), before completing more than one-third of the course requirements in the graduate program. Acceptable rank in this or other examinations required by the graduate committee must be attained.

Procedures for matriculation to graduate standing are:

1. Submit formal application blank and \$5.00 application fee to Director of Graduate Program.
2. Confer with the Director of the Graduate Program.
3. Submit official transcripts from all other institutions of higher education which the candidate has attended.



4. Submit satisfactory scores from the National Teachers Examinations, both common and optional.
5. Complete at least nine credits of acceptable graduate course work taken at Western Maryland College before full graduate matriculation may be obtained.

## Evaluation

There is considerable testing and evaluation in the various sections of the program.

In the course of the program, the student works at at least one problem in practical education and makes reports of his procedures to a special committee which has approved the project. One or more of his committee also supervises the problem.

The student should make direct experiment in his classroom or community on the problem. Its nature may be allied more closely to the subject matter field or to the methods field.

Courses must be passed with at least a grade of B with one exception. In one instance a grade of C may be offset with a grade of A to make final average of at least B. A second grade of C will not count toward the minimum requirements of thirty credits.

At the end of the student's work he takes an examination designed to demonstrate his advance in control of fact, theory and philosophy of his subject and in his growth in relating principles to actual practice. The student's special committee, upon review of the records, report of the problem and results of the examination, makes the recommendation as to whether he should be awarded the Master of Education degree.

## Grades

The College grading system—A, B, C, D, E, F, and I—is used to report the quality of credit. Graduate credit accepted in fulfillment of the requirements for the Master's degree shall average not lower than B, and no credit toward the degree shall be granted for a grade below C. Course work reported "Incomplete" must be completed within one year from date of record if a credit grade is to be given. A grade of W is assigned when a student withdraws from a course before completing the required work. A student who receives more than one C in his graduate work should confer with the Director of the Graduate program at once.

## Library

Graduate students are entitled to use the library facilities under the same conditions as undergraduate students. The student should learn the library regulations as early as possible, for it is important that the graduate student realize his obligation to conform with all library regulations.

Western Maryland's new library, dedicated in December, 1962, contains more than 74,000 volumes. New titles are added monthly. The collection of material is extensive and varied as is suitable for a liberal arts college. It is also a depository for government documents.

## Graduation Requirements

The following steps are required to complete the Graduate Studies and to become eligible for the degree:

1. Course work of 30 credits with B or better average, of which at least 18 credits must have been taken on the campus.
2. Satisfactory completion of a project.
3. Satisfactory scores in the comprehensive examinations (see note under "Fees").
4. Completion of the program within a period of five years.

It is important that the student note that final project reports must be filed by:

April 15 for June completion of degree requirements,

July 15 for August completion of degree requirements.

December 10 for January completion of degree requirements.

## Fees

37.00

Tuition is ~~\$30.00~~ per credit hour. Registration is \$6.00 payable once in the fall or spring term. For summer sessions the registration fee of \$6.00 is payable once for either or both sessions. A nonrefundable fee of \$5.00 is paid when application to the program is submitted. Fees for the National Teachers Examinations are paid by the student to the Educational Testing Service.

A fee of \$7.00 is paid to the College for the final comprehensive examination. This examination will be administered by the Department of Education in December, March, and July. All applications for the final comprehensive examinations must be filed in the Department of Education office by the following dates:

February 15 for the March examination.

June 15 for the July examination.

November 15 for the December examination.

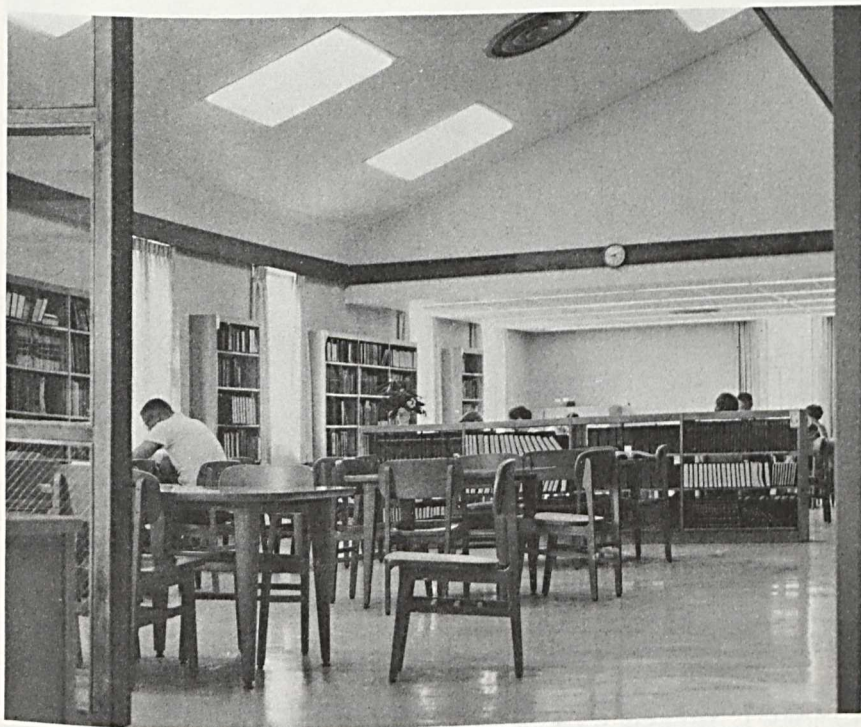
## Placement Service

An office of placement services is maintained by the College to assist students in obtaining positions and to aid superintendents, principals, and other public school officials to secure the people best qualified to fill their vacancies. No charge is made for this service. Western Maryland has had many more calls for teachers and other school personnel than it has been able to supply.

## PHI DELTA GAMMA

Phi Delta Gamma, a fraternal organization for women of all professional interests studying in graduate and advanced professional schools, was created in 1922 to promote scholarly achievement and intellectual and spiritual comradeship. Psi Chapter was organized at Western Maryland College in 1967. Each year graduate women are elected to membership.





*The reference room of The Library is a quiet place to study.*

### OFFICERS OF ADMINISTRATION

LOWELL SKINNER ENSOR, D.D., L.H.D., LL.D., *President*

JOHN DONALD MAKOSKY, Ed.D., *Dean of Faculty*

PHILIP BLETTNER SCHAEFFER, A.B., *Treasurer*

CORA VIRGINIA PERRY, M.L.A., *Registrar*

MARJORIE LITTLE SPANGLER, A.B., *Assistant Registrar*

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JOSEPH RAYMOND BAILER, Ph.D., *Director of Graduate Program*

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### FACULTY

JULIAN ABRAMS, Ph.D., *Psychologist, Springfield State Hospital*

DONALD ANDREW AMORUSO, M.M., *Instructor in Mathematics, Western Maryland College*

JOSEPH RAYMOND BAILER, Ph.D., *Professor of Education, Western Maryland College*

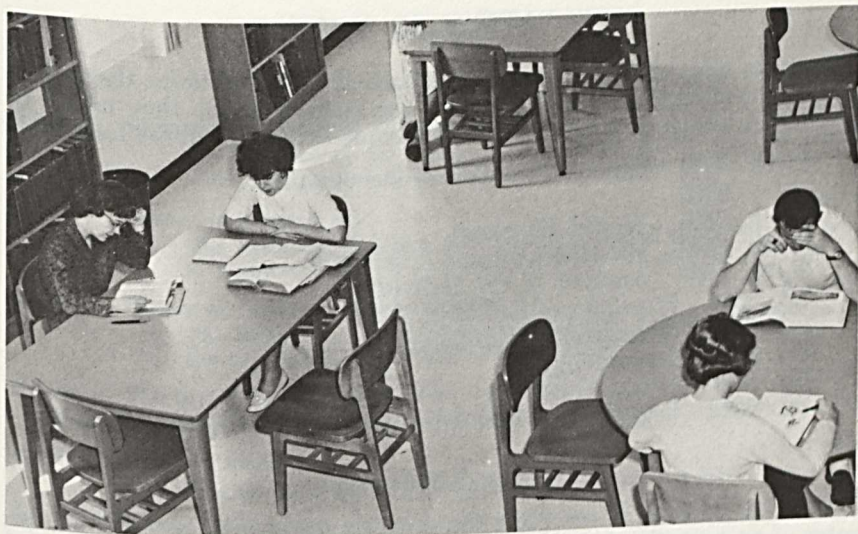
HERMAN E. BEHLING, Ed.D., *State Supervisor of Student Teaching*

EDWARD J. BENNETT, M.Ed., *Reading Teacher, Baltimore County Schools*

LAWRENCE C. BOLSTER, M.Ed., *Supervisor, Baltimore County*

HAROLD L. BOYER, M.A., Assistant Professor of Geography, Hagerstown Junior College  
 HOWARD SAMUEL CASE, M.Ed., Instructor in Physical Education, Western Maryland College  
 ARTHUR CASTELLUCCI, M.L.S., Assistant Librarian, Western Maryland College  
 FRANCES M. CLARKE, Ph.D., Psychologist, Frederick County Schools  
 RICHARD ALLEN CLOWER, Ed.D., Professor of Physical Education, Western Maryland College  
 CRAWFORD G. COYNER, M.Ed., Teacher, Prince Georges County Schools  
 WILLIAM MORRIS DAVID, Ph.D., Associate Professor of Political Science, Western Maryland College  
 ✓MALCOLM DAVID DAVIS, Ed.D., State Department of Education  
 KENNETH DEACON, Ph.D., Historian, U. S. Army Engineer Corps  
 ROBERT Y. DUBEL, M.A., Associate Secretary, Maryland State Teachers Association  
 MICHAEL EDER, M.Ed., Supervisor, Baltimore County Schools  
 JOSEPH P. GUTKOSKA, Ed.D., Professor, Towson State College  
 SAMUEL D. HERMAN, M.Ed., Supervisor, Baltimore County  
 NANCY HINSON, A.M., School Librarian, Baltimore City Schools  
 WILLIAM LEWIS HOLDER, M.D., Department of Mental Hygiene, State of Maryland  
 REUBEN S. HOLTHAUS, Ph.D., Professor, Philosophy, Western Maryland College  
 HELEN M. JOHNSON, M.Ed., Area Director, Montgomery County  
 ARTHUR C. JOHNSTON, M.S., Teacher, Baltimore County  
 THOMAS M. LEONARD, M.A., Assistant Professor of History, St. Joseph College  
 JAMES E. LIGHTNER, A.M., Assistant Professor of Mathematics, Western Maryland College  
 FRANK L. MAYER, M.Ed., M.L.S., Teacher, Baltimore County  
 CAROLE L. MILLER, B.A.T., Teacher, Baltimore County  
 WILLIAM G. MILLER, Ph.D., Associate Professor of Psychology, Western Maryland College  
 CADE O'BRIEN, A.M.L.S., Librarian, Baltimore County  
 REYNOLD PAGANELLI, A.M., Guidance Counselor, Baltimore County  
 MELVIN D. PALMER, A.M., Assistant Professor of English, Western Maryland College  
 DONALD L. PATRICK, Ed.M., Assistant Professor of Education, Western Maryland College  
 RAYMOND C. PHILLIPS, JR., A.M., Assistant Professor of English, Western Maryland College  
 RICHARD PRICE, M.A., Teacher, Baltimore County  
 BERNARD F. RHODERICK, M.Ed., Counselor, Catonsville Community College  
 KEITH N. RICHWINE, A.M., Assistant Professor of English, Western Maryland College  
 WILLIAM R. RIDINGTON, Ph.D., Professor of Classics, Western Maryland College  
 FRANK E. THOMPSON, Ed.D., Assistant Professor of Education, Hood College  
 THERON B. THOMPSON, Ed.D., Associate Professor of Education, Western Maryland College  
 CHARLES E. TRESSLER, D.Ed., Assistant Professor of Education, Hood College  
 WILLIAM L. TRIBBY, A.M., Assistant Professor of Dramatic Art, Western Maryland College  
 RAYMOND TROXELL, M.Ed., Assistant Superintendent of Schools, West York, Pennsylvania  
 JOAN WEYERS, Ed.M., Assistant Professor of Physical Education, Western Maryland College





*Graduate students join undergraduates at study tables in The Library.*

## GRADUATE PROGRAMS

### *Administration and Supervision*

Students planning to enter either of these fields should have two or more years of successful teaching experience, and be familiar with the certification requirements of their state. Students must be fully matriculated before entering this field of concentration. Permission of the director is necessary. A program of at least twelve credits must be selected from the following:

Ed. 5534 Administration of the Elementary School  
Ed. 5528E Supervision of the Elementary School

or

Ed. 5504 Administration of the Secondary School  
Ed. 5528S Supervision in the Secondary School

and

Ed. 5614 School Business Administration  
Ed. 5615 School Law  
Ed. 5618 School Finance  
Ed. 5543 Problems of Curriculum Construction  
Ed. 5530 Principles of Guidance

### *English*

Students with a teaching major in English will need a minimum of nine credits in literature, dramatic arts, and linguistics. At least one of the synthesizing courses may be chosen from the offerings in English. At least one of the education courses should be concerned with theories and techniques of teaching English.

### *Guidance*

Students who wish to major in guidance should familiarize themselves with the certification requirements of the state in which they intend to practice. A minimum program should include courses from the following:

- Psych. 5751 Human Growth and Development
- 5752
- Psych. 5551 Mental Hygiene
- Psych. 5861 Measurement and Evaluation
- Psych. 5913 Analysis of the Individual
- Ed. 5530 Principles of Guidance
- Ed. 5531 Occupational Guidance
- Ed. 5521 Counseling
- Ed. 5631 Group Guidance
- Ed. 5612 Organization and Administration of Guidance Program

### *Physical Education*

Students desiring to complete the program in this field should be graduates of an accredited undergraduate institution with a major in physical education. Courses should be selected from the following:

- PE. 5409 Evaluation of Health Information
- \*PE. 5415 Statistical Analysis in Physical Education
- PE. 5444 Administration of Athletic Programs
- PE. 5446 Techniques and Psychology in Advanced Sports Coaching
- PE. 5814 Physical Education in the Elementary School
- PE. 5818 Construction and Maintenance of Physical Education Facilities
- PE. 5820 Comparative Physical Education
- \*PE. 5823 Seminar in Physical Education
- PE. 6041 Curriculum Development in Physical Education

### *Reading*

A concentration in reading will need a minimum of twelve credits in reading selected from the following:

- Ed. 5656 Organization and Supervision of Reading Programs
- \*Ed. 5706 Foundation of Reading Instruction
- \*Ed. 5908 Diagnosis of Reading
- Ed. 5909 Laboratory Practicum in Reading
- Ed. 5910 Evaluation of Reading Research
- Ed. 5911 Advanced Reading Research
- Ed. 5912 Secondary School Reading
- \* required courses

### *Social Studies*

Students with a teaching major in social studies will need a minimum of nine credits in one of the following: geography, history, political science. Great Issues in Modern Society may be used as one of the required synthesizing courses.



## COURSES OF INSTRUCTION

### Art

- Art 5315 Southeastern Asian Art, China and Japan** 3 credits  
Development of the visual arts in China, Japan, and the South-eastern Asiatic countries from pre-historic times to the present.
- Art 5411 History of Modern Art** 3 credits  
The evolution, function, and character of art as an integral force in democratic society as background for the new art concepts.
- Art 5414 History of Northern Renaissance Art** 3 credits  
The Renaissance in northern and western Europe and the art of the seventeenth and eighteenth centuries.
- Art 5601 The Arts in Contemporary Life** 3 credits  
Philosophy, music, and art as interrelated aspects of modern life.
- Art 5801 Arts and Crafts** 3 credits  
Specific methods for development of creative art activity.
- Art 5615 History of American Art** 3 credits  
Survey of the visual arts in United States and other North American countries from circa 1790 to the present.

### Classics

- Classics 5937 Classical Civilization and Ideas** 3 credits  
Various ideas of the Greek and Roman world which have influenced our western tradition, studied through readings in Greek and Roman literature, and presented in the context of ancient history. The course will be particularly oriented to Greek and Roman ideas, but will deal with the readings as literature and will consider Greek and Roman art.
- Classics 5947 Roman World** 3 credits  
A historical approach to the study of Roman Civilization. The development of Rome from its earliest days to the fall of the empire, with attention to literature, art, and private life, as well as politics.
- Classics 5951 Introduction to Classical Art and Archaeology** 3 credits  
The development of ancient art from Minoan to late Roman times, including sculpture, architecture, painting, and minor arts. The development and approach of archaeology.

### Dramatic Art

- Dramatic Art 5305 The Drama: An Introduction to Its Analysis and Appreciation** 3 credits  
Detailed examination of a few plays from various ages and types of the drama, with emphasis on the understanding of the playwright's techniques of plot construction, characterization, theme development, setting, and dialogue.
- Dramatic Art 5326 Contemporary Drama** 3 credits  
An analysis of the major dramatic movements since Ibsen, with a selective reading of works by Continental, British, and American playwrights. Emphasis is also placed on various concepts of staging in the period.

## Education

- Education 5447 Teaching Public School Art** 3 credits  
Problems, issues, and procedures of teaching art. Instruction in some specialized skills is included. For experienced teachers only.
- Education 5452 History of Education in American Culture** 3 credits  
Principal factors in American culture in relation to policies and practices in public education. Economic, political, and social problems will be dealt with in historical perspective.
- Education 5454 History and Philosophy of Education** 3 credits  
Central philosophical concepts with a study of their effect upon the theory and practice in American education.
- Education 5504 Administration of Public School (Secondary)** 3 credits  
A course in the organization and administration of secondary school systems; internal organization, financing, legal and professional responsibilities, and similar topics.
- Education 5506 Problems in Reading** 3 credits  
The content of this course includes various supplementary techniques to be employed in the classroom and clinic. Stress will be placed on word recognition and comprehension skills.
- Education 5512 Literature for Junior-Senior High School** 3 credits  
Interpretive and critical study of literature for adolescents with methods of developing and presenting.
- Education 5519 Educational Tests and Measurements** 3 credits  
Nature, function, and use of measurement in the appraisal of educational products and aspects of personality. Surveys of different kinds of mental and educational tests with application of procedures in pupil classification, guidance, marks, evaluation, and prediction will be made. (Prerequisite to Psychological Testing.)
- Education 5521 Techniques of Counseling** 3 credits  
Various specialized techniques, materials and procedures to be used by school guidance counselors. Emphasis is upon interpretation of case data and techniques of counseling individual pupils.
- Education 5522 Problems of Teaching Mathematics** 3 credits  
Appraisal of significant problems of needs of youth in mathematics, organizing and teaching mathematics, and evaluating instruction in mathematics.
- Education 5523 Administration, Management and Operation of School Plants** 3 credits  
Operations of physical facilities; custodial staff; heating and ventilation; cleaning operations; building and equipment repairs.
- Education 5525 Research in Problems of Education** 3 credits  
Current problems in education as related to the students' teaching situations. Each student through individual research and discussion, identifies and plans for the project required of members of the program. The problem and method must be approved for satisfactory completion of the course.



- Education 5526 Audio-Visual Aids** **3 credits**  
 Ways of using objective teaching materials, including slides, prints, motion pictures, bulletin boards. Materials are surveyed and attention is given to their selection and use. Instruction in operation of equipment is provided.
- Education 5527 Problems of Science Education** **3 credits**  
 Problems in science education to develop the role of science in general education. Topics will include growth and development, biological reproduction, energy production and distribution, conservation and other topics introduced by the class. Emphasis is upon practices suitable to the classroom.
- Education 5528E Supervision in Elementary Schools** **3 credits**  
 Methods of studying and improving conditions of learning and pupil growth, recent trends in supervision, the nature and function of supervision, group participation in policy development, evaluation and rating as they pertain to elementary schools.
- Education 5528S Supervision in Secondary Schools** **3 credits**  
 Methods of studying and improving conditions of learning and pupil growth, recent trends in supervision, the nature and function of supervision, group participation in policy development, evaluation and rating as they pertain to secondary schools.
- Education 5529 Problems of Teaching Social Studies** **3 credits**  
 The place of social studies in education for democratic citizenship; grade placement and individual differences; classroom activities and methods; audio-visual aids and their use; the separate subjects in the social studies program; organization around problems; use of school library; professional aids to teachers. Other topics will be developed as they come from the students' survey of the problems.
- Education 5530 Principles of Guidance** **3 credits**  
 Guidance in the homeroom, classroom, club; group discussions and committee work; counseling with pupils and parents regarding health, discipline, study, social, emotional, educational, and vocational problems. The purpose is to survey personnel services and to help teachers, administrators and other non-specialists to do more effective guidance work.
- Education 5531 Occupational Guidance** **3 credits**  
 Functions and methods of vocational guidance; social, economic, and psychological factors affecting vocational adjustment; assembling and imparting information about occupations through courses, group activities, studying individuals through interviews, tests, and other techniques; placement in jobs, on-the-job adjustment.
- Education 5532 Problems of Teaching English Language Skills** **3 credits**  
 Systematic study of methods of instruction in the techniques of reading, writing, critical listening and speaking for purposes of professional education.
- Education 5533 Occupational Information and Activities** **3 credits**  
 Assembling information about occupations, preparation of occupational data for pamphlets, organization and promotional charts; techniques in job analysis, time and motion studies, and preparation of job specifications. Study will be made of existing surveys and analyses of vocational and educational opportunities.

- Education 5534 Administration of Elementary Schools 3 credits**  
A course in the organization and administration of elementary school systems; internal organization, financing, legal and professional responsibilities, and similar topics.
- Education 5535 Learning Activities in Education I 3 credits**  
Study of learning activities to aid the school curriculum to function effectively; appraisal of instructional materials and evaluation procedures. Opportunities are provided for classroom teachers to share experiences and to plan their programs. Emphasis will be placed upon the evaluation and development of the plans of those in the group.
- Education 5536 Learning Activities in Education II 3 credits**  
A continuation of Education 5535.
- Education 5538 Social Casework in Guidance 3 credits**  
Case conferences, study of current counseling problems, reading of references, and submitting reports of cases discussed.
- Education 5539 Labor and Personnel Problems 3 credits**  
Development and methods of organized groups in industry in settlement of labor disputes. The course includes an economic and legal analysis of labor union and employer associations activities.
- Education 5540 Personnel Management 3 credits**  
Problems of supervising employes in modern industry. Emphasis is upon the application of scientific management and the importance of human relations.
- Education 5542 Curriculum in English in Elementary and Secondary Schools 3 credits**  
Guided studies in curriculum planning.
- Education 5543 Problems in Curriculum Construction 3 credits**  
Principles of curriculum development, course planning, professional development of subject matter, and the improvement of instruction. Each student will present at least one problem and participate in critical group analysis of all problems.
- Education 5544 Functions of School Administration 3 credits**  
Structure, function, and operating procedures of the school administrator. Emphasis is given to the organization structure and service functions of the various administrative units.
- Education 5545 Problems in Teaching Junior High Schools 3 credits**  
Nature of the junior high school pupil; the planning of experiences and effective methods of teaching to guide growth toward desirable ends.
- Education 5549 Anthropology and Education 3 credits**  
Educational implications of our knowledge of prehistoric man and of primitive society including race, language, and religion, the interaction of physical and social factors, and the genetics of social institutions.



- Education 5560 Internship** 3 to 6 credits  
Open to a limited number of advanced students: administrative experience in selected school systems. Conference hours for students and staff members are devoted to discussion of work and problems encountered by students in their internships. Each student is required to submit a written report describing and appraising the experience.
- Education 5604 Development of Art Techniques in Teaching** 3 credits  
Experience with various art media. Students will carry on work related to personal or professional interests. Class discussions and reports of reference reading will be concerned with the relationship of the arts to special fields, the school program, and to development of the individual.
- Education 5610 Organization of the Middle School** 3 credits  
Organization and administration of the middle school with attention to the instructional program. (Prerequisite: teaching experience.)
- Education 5612 Organization and Administration of Guidance Programs** 3 credits  
Problems and procedures in initiating and conducting programs of vocational guidance. The course is designed for students completing requirements for certification in guidance. Those wishing to register for four credits must secure permission in writing from the Department of Education. (Prerequisites: Education 5530, 5533, 5519, and 5521.)
- Education 5614 School Business Administration** 3 credits  
Principles of business management; office practice; the school budget; financial accounting; purchasing supplies; safeguarding funds; and practical studies of school economics.
- Education 5615 School Law** 3 credits  
A study of local school administration from the legal point of view; principles of law and their applications described in legal theory. Attention is given to legal powers and duties.
- Education 5616 School Law and Finance for School Administrators** 3 credits  
A survey of the legal principles derived from both statutes and court decisions pertaining to education. Included is study of publications of various state departments of education, the responsibilities of the administrator for use of funds, and budgeting.
- Education 5618 School Finance** 3 credits  
National, state, and local plans for school support with attention to the various forms for accounting for use of funds, budgeting, and the legal implications.
- Education 5631 Group Guidance** 3 credits  
Principles, practices, techniques, and materials used in group guidance in schools.
- Education 5632 Problems of Teaching Foreign Languages** 3 credits  
Techniques and materials; aims, motivation, tests; infusion of cultures; use of tests; survey of research and critical examination of procedures in teaching foreign languages.
- Education 5656 Organization and Supervision of Reading Programs** 3 credits  
The content of this course concerns the planning of a sound program within a school and within a school district relevant to the functions and duties of personnel involved.

- Education 5701 Materials in Special Education 3 credits**  
A survey of the materials available for special education classes.
- Education 5703 Methods of Teaching Special Education 3 credits**  
Methods and techniques for teaching special education classes.
- Education 5706 Foundations of Reading Instruction 3 credits**  
This is a survey course in which the content is related exclusively to reading instruction. Basic techniques, general principles of reading instruction, reading readiness and directed reading activities are dealt with in depth.
- Education 5711 Teaching Exceptional Children: Educable Retarded I 3 credits**  
Survey of methods, materials, and techniques for teaching the educable mentally retarded child; discussion of instructional activities and practical problems.
- Education 5712 Teaching Exceptional Children: Educable Retarded II 3 credits**  
Designed as a seminar and practicum course in the observation and teaching of the educable mentally retarded. (Prerequisite: Ed. 5711.)
- Education 5713 Teaching Exceptional Children: The Gifted 3 credits**  
An analysis of educational provisions for superior and creative students, including characteristics, identification and special problems of underachievement and social adjustment.
- Education 5714 Teaching Exceptional Children: Emotionally Disturbed 3 credits**  
An analysis of educational provisions for disturbed and maladjusted students including definitions, characteristics, identification and programs of prevention and re-education.
- Education 5715 Teaching Exceptional Children: The Slow Learner 3 credits**  
An analysis of educational provisions for slow-learning students including a developmental approach to curricular offerings and evaluation procedures.
- Education 5716 Teaching the Trainable Retarded Child 3 credits**  
Methods and techniques for providing social, emotional, communicative, and manipulative experience for the trainable retarded child.
- Education 5721 Counseling I—Theories and Techniques 3 credits**  
Examination of various systems of counseling and evaluation of techniques; emphasis upon interpretation of case data and the counseling of individual pupils.
- Education 5722 Counseling II—Practicum 3 credits**  
Seminar and supervised experience in a counseling setting designed to increase understanding of interpersonal processes in the counseling relationship.
- Education 5723 Group Counseling 3 credits**  
A study of the dynamics of group behavior with particular reference to the small face-to-face group. Includes activity group procedures, psychodrama, lecture-discussion techniques, sociometrics and role-playing.
- Education 5741 Diagnosis of Speech Impairment 3 credits**  
Nature and causes of various speech problems of children and youth; consideration of diagnosis and treatment.





*The Education building is surrounded by trees and gardens.*

- Education 5745 The Use of Diagnosis in Developmental Teaching 3 credits**  
Special diagnostic procedures for use with exceptional children and youth with focus on educable retarded. Includes study of performance instruments, visual-motor tests, developmental schedules and social maturity scales.
- Education 5801 Methods and Materials of Teaching Exceptional Child 3 credits**  
Methods and materials for adjusting instruction in reading, spelling, language and arithmetic to the exceptional child.
- Education 5803 Diagnostic Testing and Remedial Teaching 3 credits**  
Assists teachers in construction and interpretation of teacher-made tests, exploration of commercial tests, and various techniques in diagnosis of reading difficulties; Philosophy and methodology of remedial teaching.
- Education 5805 Problems of Teaching Geography 3 credits**  
The place of geography in the social studies program; teaching learning procedures and activities; teaching materials and resources.
- Education 5813 Introduction to Special Education 3 credits**  
To develop an understanding of exceptional children through study of their potentialities and needs; their personality and educational adjustments; the special facilities and curricula for them.
- Education 5837 Occupations for the Educable Retarded 3 credits**  
Educational methods and development of curriculum for mentally retarded youth at different maturational levels. Study of employment opportunities, job analysis, guidance and placement procedures.
- Education 5841 School and Society 3 credits**  
A study of living, changing communities and their social problems and related educational problems.
- Education 5845 Seminar—Educational Media I 3 credits**  
Factors in selection of media systems for improving teaching-learning efficiency; development and evaluation of teaching-learning curriculum units for large, small and independent study presentation; integration of print and nonprint media with team-teaching techniques (multi-media).
- Education 5846 Seminar—Educational Media II 3 credits**  
Review of the current literature, including the mass media of communications as they relate to the instructional process, learning theory implication, educational and economic considerations as they relate to current and future instructional systems.
- Education 5908 Diagnosis of Reading Difficulties 3 credits**  
The content of this course includes detection of reading difficulties, interpretation of the data collected, writing of reports, and remedial procedures. This course and Education 5706 are prerequisite to the other courses in the reading sequence.
- Education 5909 Laboratory Practicum in Reading 3 credits**  
A laboratory experience in which students are evaluated and then treated for reading disabilities under supervision. (Prerequisites: Education 5706 and 5908.)
- Education 5910 Evaluation of Reading Research 3 credits**  
The nature of the research relevant to reading will be discussed. Then findings, both old and new, will be evaluated.



- Education 5911 Advanced Reading Research** 3 credits  
The interdisciplinary approach to reading will be examined in depth. Latest research findings will lay the basis for the evaluation of current reading programs which will be discussed. (Prerequisites: Education 5706, 5908, 5910.)
- Education 5912 Reading in the Secondary Schools** 3 credits  
A course designed to help students planning teaching careers to recognize and deal with the reading problem encountered in the secondary school.
- Education 5943 Modern Biology for Teachers** 3 credits  
A study of modern concepts of biology with emphasis on the basic principles.
- Education 5945 Modern Chemistry for Teachers** 3 credits  
A review of the fundamentals of chemistry with emphasis upon modern concepts.

### English

- English 5311—Masterpieces of Literature** 3 credits  
Individualized study of major figures from British or American literature. A different subject is selected each year.
- English 5314 Social and Intellectual Backgrounds in American Literature** 3 credits  
A survey of American culture from colonial times to the present, with particular emphasis on the relationships among social conditions, intellectual history, and literature.
- English 5411 Critical Approaches to Understanding Literature**  
Various critical approaches to literary criticism to begin with Aristotle's Poetics and to continue through to contemporary critics such as Brooks, Warren and Frye.
- English 5412 Modern Approaches to Study of English Language** 3 credits  
The concepts and operations of structural and transformational grammars; their relationships to rhetoric and literature; and their connections to earlier views on grammar and language.
- English 5508 World Literature** 3 credits  
Significant works in Western and Oriental culture in translation. These are discussed and considered comparatively as reflections of the understandings and values of the cultures they represent.
- English 5608 English Language: Problems of Usage** 3 credits  
For advanced students who have individual problems in their competence in English. Emphasis is placed on devices for self direction.
- English 5809 Survey of American Culture** 3 credits  
A historical study of the relationships among social conditions, intellectual history, and the development of arts and letters.

### Library Science

- Lib. Sci. 5217 Book Selection** 3 credits  
A study of criteria and tools of book selection; attention given to publishers' series; individual problems of selection considered with particular attention to selection for elementary and secondary school levels.

- Lib. Sci. 5220 Cataloging and Classification** 3 credits  
Designed to develop principles and techniques of cataloging books and other materials; special attention to the problems of school libraries.
- Lib. Sci. 5222 Reference and Bibliography** 3 credits  
A study of materials and methods for locating information; includes general reference works, bibliographies, books and periodicals in special fields.
- Lib. Sci. 5224 Administration of School Libraries** 3 credits  
Organizing the school library to assist in meeting the objectives of the school program; principles and techniques of administering the library.
- Lib. Sci. 5405 Children's Literature** 3 credits  
Includes history of children's literature, study of illustration, book talks and story telling; to develop broad acquaintances with literature for young people.
- Lib. Sci. 5526 Philosophy of Librarianship** 3 credits  
A survey of development of library services; the philosophy, characteristics and functions of libraries as social agencies with emphasis upon the philosophy of library services.

### Mathematics

- Mathematics 5321 Fundamental Concepts of Algebra** 3 credits  
An introduction to modern algebraic theory; emphasis on the nature of the structures of algebra, including groups, rings, fields and vector spaces; selected topics from elementary number theory; polynomial theory and matrix theory.
- Mathematics 5322 Fundamental Concepts of Geometry** 3 credits  
Foundations and evolution of geometry; selected topics from Euclidean and non-Euclidean geometries, projective geometry, affine geometry; studies in the nature of proof and famous geometric problems.
- Mathematics 5308 History of Mathematics** 3 credits  
A study of the development of mathematics from primitive counting systems to the development of modern mathematics, with particular emphasis on the seventeenth century.
- Mathematics 5318 Linear Algebra** 3 credits  
A study of the theory of finite-dimensional vector spaces, linear transformations, matrices, determinants, bilinear forms, and inner products. (Prerequisite: Mathematics 5321.)
- Mathematics 5323 Probability** 3 credits  
A study of sample spaces, combinatorial analysis, conditional probability, Baye's Theorem, Random variables, Chebyshev's Theorem, binomial distributions, and applications.



**Mathematics 5325 Projective Geometry** 3 credits  
 A study of the fundamentals of synthetic projective geometry, including the projective plane, incidence relations, harmonic sequences, projective transformations, and the principle of duality; selected topics from analytic projective geometry, including transformations, cross ratios, and conics; the theorems of Desargues, Pappus and Pascal. (Prerequisite: Mathematics 5322.)

**Mathematics 5403 Intermediate Real Analysis I** 3 credits  
 A rigorous study of infinite sets, functions, limits, continuity, derivatives and Riemann integrals.

### Music

**Music 5409 Harmonic Analysis I** 3 credits  
 Analysis of harmony as used by composers of the Viennese classic and romantic era to denote form and style.

**Music 5410 Harmonic Analysis II** 3 credits  
 Continuation of 5409.

**Music 5601 Workshop in Instrumental and Choral Music** 3 credits  
 Interpretation, methods of approach to, and presentation of standard and contemporary choral and instrumental music to student groups for singing and listening.

**Music 5731 Basic Music** 3 credits  
 Designed for classroom teachers: includes note reading, rhythmic exercises, sight reading, teaching rote songs, and attention to basic skills in chord playing.

### Philosophy

**Philosophy 5225 Logic, Language and Critical Thinking** 3 credits  
 Principles of logic with attention to concepts of meaning, truth, existence, reference, predication, and quantification with applications to philosophy, science, art.

**Philosophy 5322 Social and Political Thought in Our Times** 3 credits  
 An evaluation of man's history, social institutions, social control, and political development as background for analyzing the social and political problems of our times.

**Philosophy 5508 Trends in American Thought** 3 credits  
 Changing social ideas of the American people and their leaders; European and American influences, growth of democratic ideas; nationalism; impact of science and education.

### Physical Education

**Physical Education 5345 Psychological and Advanced Techniques in Coaching** 3 credits  
 A thorough analysis of the strengths and weaknesses of various coaching techniques and systems. The course is designed to provide a study of psychological and physiological principles, current experiments and various philosophies in the coaching of sports.

- Physical Education 5409 Evaluation of Health Information 3 credits**  
A study of published material to determine the basic scientific accuracy and value of this information.
- Physical Education 5415 Statistical Analysis in Physical Education 3 credits**  
A critical statistical analysis of measurement and evaluation in physical education. The tools and techniques of descriptive and inferential statistics are emphasized.
- Physical Education 5444 Administration of Athletic Programs**  
A study of the history and present day problems and standards associated with the organization and administration of interscholastic and intercollegiate athletic programs.
- Physical Education 5814 Physical Education in the Elementary School 3 credits**  
Trends in materials, methods and activities for the elementary school physical education program. Aims and objectives, classification of pupils, selection of activities, organization are considered.
- Physical Education 5818 Construction and Maintenance of Physical Education Facilities 3 credits**  
A study of terminology, principles and standards for planning, construction, use and maintenance of indoor and outdoor physical education facilities.
- Physical Education 5820 Comparative Physical Education 3 credits**  
A study of the physical education programs in various countries throughout the world.
- Physical Education 5823 Seminar in Physical Education 3 credits**  
A seminar for teachers and administrators on the solution of current problems associated with planning, scheduling and conducting programs in physical education. A study is made of new developments in methods, curriculum, evaluation, activity, leadership, supervision and finance.
- Physical Education 6041 Curriculum Development in Physical Education 3 credits**  
The application of principles and practices of curriculum development applied to physical education. A critical study is made of various aspects of the high school physical education program. An opportunity is afforded students to study their own school program and to revise it to meet the changing needs and new developments in the area of physical education.
- (N.B. Physical Education 5415 and 5823 are required of graduate majors in physical education)

## Psychology

- Psychology 5210 Psychology of Personality 3 credits**  
A study of the major contemporary approaches to personality theory, including relevant research and overall evaluation.
- Psychology 5215 Statistics in Psychology and Education 3 credits**  
Introduction to basic psychological concepts, central value, variability, correlation, distributive curves, and inference as applied to psychological and pedagogical problems.



- Psychology 5309 Psychology of Abnormal Behavior** 3 credits  
Focus on disorganized behavior of persons. Study of anxiety reactions, neuroses, and conduct disorders with some attention to signs of psychotic behavior. Aims to develop capacity for recognizing abnormal behavior patterns.
- Psychology 5417 Use of Pupil Appraisal in Counseling** 3 credits  
Methods of studying pupils in mental ability, achievement, interest, aptitude and personality; use of observation and peer reports, school and community records; basic review of statistics in terms of validity, reliability and utility of such information.
- Psychology 5546 Advanced Educational Psychology** 3 credits  
A course in advanced educational psychology with major focus on verbal learning and verbal behavior.
- Psychology 5547 Psychology of Exceptional Children and Youth** 3 credits  
Nature and needs of the exceptional student; degrees of deviation from the typical and their causes, and disorders of behavior which are frequently concomitant. Psychological bases of a suitable educational program.
- Psychology 5551 Mental Hygiene** 3 credits  
Principles of mental hygiene, including prevention of maladjustment, preservation of mental health and cure of mental illness. Focus on personal and social adjustment of teachers and students and classroom practices for mental health.
- Psychology 5751 Human Growth and Development I: Child** 3 credits  
Critical and technical review of research and theories pertaining to child behavior; application of principles of learning and consideration of environmental factors. Bio-socio-psychological development is emphasized.
- Psychology 5752 Human Growth and Development II: Adolescent** 3 credits  
Critical survey of theories and problems of adolescent development; convergence of physiological, emotional, intellectual, social, and cultural factors in the total development of the individual; review and application of principles of learning to adolescent behavior.
- Psychology 5761 Seminar in School Psychology** 3 credits  
Required of all candidates for M.Ed. in School Psychology.
- Psychology 5821 Individual Intelligence Testing** 3 credits  
The first course in a year sequence designed to meet credential requirements in individual testing. Covers the available individual intelligence tests, their administration and interpretation, including a discussion of the relation of these scores to those obtained on group intelligence tests.
- Psychology 5822 Psychological Testing** 3 credits  
Prerequisite: Psych. 5821 or permission of Director of Graduate Program. Practicum course in the administration and scoring of the Stanford Binet and Wechsler-Bellevue tests. Tests are administered under supervision.

- Psychology 5861 Measurement and Evaluation I: Group Tests and Techniques** 3 credits  
 Introductory course in the nature, function, and use of measurement in the school. Survey of paper-and-pencil tests and other techniques. (Prerequisite: 3 hrs. in Statistics.)  
 \*This course is prerequisite for all courses in the Measurement and Evaluation sequence.
- Psychology 5862 Measurement and Evaluation II: Individual and Intelligence Testing** 3 credits  
 The first course in a year sequence designed to meet credential requirements in individual testing. Covers the available individual intelligence tests, their administration and interpretation, including a discussion of the relation of these scores to those obtained on group intelligence tests.
- Psychology 5863 Measurement and Evaluation III: Practicum** 3 credits  
 Practicum in administration of the Stanford-Binet and Wechsler Intelligence tests. Tests are administered under supervision. (Prerequisite: Psychology 5215—Permission of director of graduate program.)
- Psychology 5864 Measurement and Evaluation IV: Personality Assessment** 3 credits  
 An introductory course on personality measurement, including interest inventories, self-descriptions, personality scales, trait assessment, temperament survey and clinical procedures. (Prerequisite: Psychology 5210 Psychology of Personality.)
- Psychology 5865 Measurement and Evaluation V: Projective Techniques** 3 credits  
 An introduction to the theory and use of projective techniques, including Michigan Picture Test, Visual Apperception Test, the Blacky Pictures, Children's Apperception Test, Draw-A-Man, Thematic Apperception Test and Rorschach. (Prerequisite: Psychology 5210 Psychology of Personality.)
- Psychology 5913 Analysis of the Individual**  
 Evaluation of the individual in mental ability, achievement, interest, aptitude, and personality; a basic review of statistics as applied to testing.

## Science

## Biology

- Biology 5206 Ecology** 3 credits  
 A synthesis of ecological principles combining both the functional and the descriptive and involving the interrelationships of plants, animals, and micro-organisms. The ecosystem approach is stressed in order to understand the dynamic relationship that exists between man and his natural environment.
- Biology 5203 Genetics** 3 credits  
 A study of the basic facts and laws of inheritance and their derivation from experiments with *Drosophila*, corn and micro-organisms. Consideration is given to heredity in man and to the relationship of genetics and evolution.



- Biology 5414 Community Health** 3 credits  
A course designed to acquaint the student with community health problems, prevention and control of diseases, and with the agencies which deal with these problems.
- Science 5517 Conservation of Natural Resources** 3 credits  
Study of conservation practices. Field study includes trips to forests, farms, mines, quarries, streams, and the ocean.
- Science 5557 Advanced Conservation of Natural Resources** 3 credits  
Readings and discussions of natural resources in conjunction with field trips under the leadership of various specialists in forestry, agronomy, geology, fish culturists, and biologists.
- Science 5628 Workshop in Science** 3 credits  
Opportunity for study in selected areas for teachers in service in elementary and secondary schools. Study of mechanics, heat, astronomy, and the interrelations of matter and energy with particular emphasis on recent advances in these areas. For students interested in the study of special problems in physical science.

## Social Studies

### Geography

- Geography 5550 Principles of Human Geography I** 3 credits  
Adjustments which man makes to various habitats; a consideration of natural environmental factors in relation to human life.
- Geography 5551 Principles of Human Geography II** 3 credits  
A continuation of Geography 5550.
- Geography 5615 Geographic Patterns** 3 credits  
Physical character and human use of geographic regions.
- Geography 5625 Geography in Relation to World Culture** 3 credits  
The geography of the world's major cultural regions with emphasis upon economic, social, and political conditions in contemporary times.
- Geography 5627 Historical Geography of North America** 3 credits  
A consideration of past circumstances from the geographer's viewpoint to understand how the combination of nature and culture created the regional patterns in North America in earlier times.
- Geography 5650 Foundations of Geography** 3 credits  
A survey of man's natural environment; distribution, and interrelationships of climates, vegetation, soils, and landforms. Problems in map interpretations.

## History

- History 5213 The Ancient World** 3 credits  
Development of civilization in the ancient Orient and classical Greece and Rome; emphasis upon the Western Civilizations.

- History 5302 The Orient in Twentieth Century** **3 credits**  
A history of the Orient from 1900 to the present.
- History 5304 History of Latin America** **3 credits**  
Political, economic and social development of the Latin-American republics from colonial times to the present.
- History 5305 Twentieth Century Latin America** **3 credits**  
Political, economic and social development of the Latin-American republics since 1899.
- History 5307 Economic and Social History of U. S. Since 1865** **3 credits**  
A history of economic and social development of the United States since 1865; changes in industry, commerce, agriculture together with political and social organization.
- History 5308 Cultural History of the United States 1865-1940** **3 credits**  
Topics treated will include urbanism; mechanization; democratic and humanitarian reform; agrarian and labor discontent; educational trends; journalism, literature, and the arts; minorities and immigrant groups; reorientation and socialization of religion; recreation and sport; and medicine and public health.
- History 5318 Twentieth Century United States** **3 credits**  
Political, economic and social development of the United States during the twentieth century.
- History 5324 Twentieth Century Asian History** **3 credits**  
A view of contemporary Asia in the context of developments of the last half century.
- History 5330 World Problems Since 1945** **3 credits**  
Study and discussion of selected problems currently important.
- History 5403 U. S. Foreign Policies Since 1898** **3 credits**  
A history of American diplomacy from 1898 to the present.

### Political Science

- Political Science 5203 International Organization**  
An analysis of attempts which have been made, and are being made, to deal with international problems through international cooperation, such as: the United Nations and the specialized agencies, the International Court, defense organizations, the European community, the Organization of American States, and International Commodity Controls.
- Political Science 5306 Comparative Government** **3 credits**  
An analysis of various types of political institutions in major states of the world today.
- Political Science 5413 International Affairs** **3 credits**  
Lectures and discussions on problems in the world community. Emphasis is given to the activities of the United Nations and to UNESCO.



**Political Science 5501 Russia in International Affairs** 3 credits  
Lectures and discussions of Russian culture and the role of the Soviet in relation to the World Community.

**Social Studies 5606 Great Issues in Modern Society** 3 credits  
This course examines aspects of six great social, political, and economic issues facing America and the world. First the diversity of culture is examined. Against this setting the contemporary western urban character is examined and the issue of educational objectives and method is explored. Other issues included are population growth as a world problem, underdeveloped areas of the world as they relate to American foreign and economic policy. American military and foreign policy as related to communism, and the effect of mass opinion on democratic government.

### **Sociology**

**Sociology 5202 The Family** 3 credits  
The study of the present-day American family and marriage relationships, mate selection, husband-wife relationships, parent-child relationships, family disorganization, and the family budget.

**Sociology 5310 Juvenile Delinquency** 3 credits  
Cases typical of those encountered by school personnel, psychologists, social workers, police, and probation officers are the basis for discussion of methods used for identifying problem situations, for securing appropriate treatment and effecting cooperation in the community.

**Sociology 5501 Self and Personality** 3 credits  
Topics considered include biological, psychological, and cultural basis of behavior: self and personality development; processes of thinking and intelligence; emotional adjustment and mental hygiene. This is an advanced study of theories of personality and adjustment.

**Sociology 5639 Social Casework** 3 credits  
A study of the method and objectives. The individual in relation to his cultural background; the skills in interviewing, understanding the client's problem, and selection and referral to appropriate resources.