



WESTERN MARYLAND COLLEGE

Graduate Program Catalogue

WESTMINSTER, MARYLAND
VOLUME IV, No. 1



Carroll Hall Department of Education

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Part-time Instructors Who Have Recently Assisted in Master of Education Degree Program

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OSCAR J. SCHNEIDER, B.S., A.M.

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SAMUEL WALSH, A.B., A.M., S.T.B., Ph.D.

MARGARET WILLIS, A.B., A.M.

THE COLLEGE

Western Maryland College is located on a 100-acre campus at the west end of Westminster, Maryland. It is 28 miles from Baltimore on Route 140 and 58 miles from Washington, D. C., on Maryland Routes

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. 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.

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. Accordingly, work leading to the Master of Education degree is designed to prepare teachers for the following types of positions: Principal, General Supervisor, Secondary School Teacher, School Counselor.

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

Deficiencies may be supplied from higher level undergraduate courses. For example, an applicant who has not completed a minimum of sixteen semester hours of undergraduate work in education will meet the certificate requirements on the undergraduate level. 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 hours of work, divided into three parts of approximately equal weight. (It is recommended that the student take the course in Research in Problems of Education early in his program for in that course he initiates his project.) With the job analysis phase in mind 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 though related to his field of specialization.

Though each student has a wide choice of courses, two specific ones are required of all who enter 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. 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. Some of this work may best be done in standard college courses. Here the instructor will expect more work of a higher quality than that done on acceptable undergraduate levels.

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 Library

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, 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.

This on-the-job analysis is a major feature of the unique characteristic of the Western Maryland program for it guides the student to an acquaintance with a variety of practices and investigations of the needs in his own situation—and, under the guidance of the college staff, 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.

2. An undergraduate background appropriate for graduate study in the

candidate's chosen field.

3. A record of successful teaching experience or satisfactory completion of student teaching.

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. It is expected that deficiencies found as a result of the examinations will be met by additional course work. Such course work will not necessarily be counted toward the degree.

All applications are submitted to the Graduate Program Committee

after the following steps have been completed:

1. Submitted formal application blank and \$5.00 application fee,

2. Conference with the Director of the Graduate Program,

3. Submitted official transcripts from all other institutions of higher education which the candidate has attended,

4. Submitted scores from the National Teachers Examinations, both

common and optional,

5. Submitted at least nine credits of graduate courses taken at Western Maryland College.

EVALUATION

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

In the course of the program, the student works on 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.

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 70,000 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. Transcript of records from all other institutions of higher education which the candidate has attended must be filed with the Department of Education.
 - 2. The candidate must obtain satisfactory scores on the National Teachers Examinations.
 - 3. Course work of 30 credits must be completed as follows:
 - a. Minimum of nine credits in courses dealing with the broad scope of Human Affairs, including the course: Trends in American Thought.
 - b. Minimum of nine credits in the student's field of specialization.
 - c. Minimum of nine credits in courses in Education, including Research in Problems of Education.
 - d. Minimum of 18 credits in campus courses.
 - 4. Satisfactory completion of a project.
 - 5. Satisfactory scores in the comprehensive examinations.
 - 6. Completion of the program within a period of five years.

It is important that the student note that 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

Tuition is \$28.00 per credit hour. Registration is \$6.00 payable once in the fall or spring terms. 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 January, April, and July. All applications for the final comprehensive examinations must be filed in the Department of Education office, with fee receipt from the College Treasurer, by the following dates:

March 15 for the April examination.

June 15 for the July examination.

December 15 for the January 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.



SPECIAL PROGRAMS

For those whose choice of specialization in the general program requires more than the minimum of nine credits, the following sequences are recommended:

ADMINISTRATION

It is recommended that courses in Administration be taken after one-third of the general course requirements are completed.

Education 5534 Administration of the Elementary Schools

Education 5504 Administration of the Secondary Schools

Education 5528E Supervision in the Elementary School

Education 5528S Supervision in the Secondary School

Education 5614 School Business Administration

Education 5616 School Law and Finance for School Administrators

Education 5543 Problems in Curriculum Construction

Twelve credits in the Humanities

PSYCHOEDUCATIONAL SERVICES

This program rests on the behavioral sciences with special focus on the psychological aspects of the learning process in general and on progress and adjustment in the school. Service fields include sub-specialization in school counseling, pupil personnel services, school psychology, and the education of exceptional children and youth.

School Counselors

Psychology 5417 Education 5721 Psychology 5861 Psychology 5551 Psychology 5752 Education 5533	Human Growth and Development II Occupational Information and Activities	3 credits
Psychology 5913	Analysis of the Individual	3 credits

Pupil Personnel Workers

A. Fifteen	credits
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2 ijicen creans		3 credits
Education 5721	Counseling I	
Davehalam 5751	Human Crowth and Development I: child	3 credits
Tsychology 5751	Tullian Growth and Dovelopment II: adolescent	3 credits
Psychology 5752	Human Growth and Development II: adolescent	
Sociology (6 cred		
Sociology 5639	Social Casework	3 credits
THE RESERVE ASSESSMENT OF THE PARTY OF THE P	The Family	3 credits
		3 credits
Sociology 5310	Juvenile Delinquency	o caocare

B. Nine credits

•	wine creatis		0 114-
	Pevohology 5551	Mental Hygiene	3 credits
	1 sychology 5551	Wichter 17 grant Children and Youth	3 credits
	Psychology 5547	Psychology of Exceptional Children and Youth	o cround



Education 5417	Use of Pupil Appraisal in Counseling	3	credits
1 sychology 5001	Measurement and Evolution I		credits
rsychology 5546	Theories of Learning	3	credits
Education 5549	Anthropology and Education	3	credits
m1 1			

C. Three credits—(recommended)
Education 5515 School Law

3 credits

Teachers of Exceptional Children and Youth (with focus on the educable retarded child)

Psychology 5547	Psychology of Exceptional Children and Youth	3 credits
Education 3/11	Teaching Exceptional Children, Educable Potented	3 credits
Education 9001	Occupations for Educable Petarded	3 credits
Education 5745	Measurement and Evaluation I	3 credits
Sociology 5639	Use of Diagnosis in Developmental Teaching Social Casework	3 credits
		3 credits
	Arts and Crafts	3 credits

School Psychologists

(Psychologists working in local school systems need sixty credits in undergraduate and graduate courses in psychology or related fields. The M.Ed. program will include

only 24 credits in these areas. Candidates in this sub-specialty must consult with the Director of the Graduate Program to insure meeting requirements for certification.)

de Director of th	ic Gradia	10 110 g. m. 1		
Psycholo Educatio	ogy 5210 ogy 5751 on 5546	Psychology of Personality Human Growth and Development Theories of Learning Psychology of Abnormal Behavior	3	credits credits credits
B. Nine Ho Psycholo Psycholo Psycholo Educatio		Measurement and Evaluation II Measurement and Evaluation III Measurement and Evaluation V Counseling I	3 3	credits credits credits credits credits
C. Six Hou Education Sociolog	on 5549	Anthropology and Education Juvenile Delinquency		credits credits
GENERAL	EDUC	ATION		
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 5454	Cartani	and Philosophy of Education philosophical concepts with a study of their effect nd practice in American education.		credits oon the
Education 5452	History Principa	of Education in American Culture I factors in American culture in relation to po in public education. Economic, political, and so I be dealt with in historical perspective.	lici	credits les and l prob-
Aspects of six great social, political, and economic issues facing America and the world. The diversity of culture is examined. Against this setting the contemporary western urban character and the issue of educational objectives and method are explored. Other				

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Aspects of six great social, political, and economic issues racing America and the world. The diversity of culture is examined. Against this setting the contemporary western urban character and the issue of educational objectives and method are explored. Other issues 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.

Education 5706	Foundations of Reading
	Problems of Teaching Foreign Languages 3 credits
	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 satis- factory completion of the course.

- Education 5461 Education and Economic Development 3 credits

 Critical analysis of current explanations of economic growth and development with particular attention to the evolution of modern economic institutions in relation to the objectives and problems of modern education.
- Geography 5650 Foundations of Geography 3 credits
- Education 5943 Modern Biology for Teachers

 A study of modern concepts of biology with emphasis on the basic principles.
- Education 5945 Modern Chemistry for Teachers

 A review of the fundamentals of chemistry with emphasis upon modern concepts.

ADMINISTRATION AND SUPERVISION

- 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 5524 Administration of the Small School 3 credits

 Methods of organization and administration of the small school.

 Problems considered include: programming studies, community relationships, internal operation of the school, formulation of school policy, and adaptation to needs of the smaller community.
- Education 5534 Administration of Elementary Schools

 A course in the organization and administration of elementary school systems; internal organization, financing, legal and professional responsibilities, and similar topics.
- Education 5616 School Law and Finance for School Administrators 3 credits
- 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 5544 Functions of School Administration
 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 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 5528E Supervision in Elementary Schools

 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

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 5560 Internship

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.

METHODS AND MATERIALS

- 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 5512 Literature for Junior-Senior High School 3 credits
 Interpretive and critical study of literature for adolescents with methods of developing and presenting.
- 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 5447 Teaching Public School Art

 Problems, issues, and procedures of teaching art. Instruction in some specialized skills is included. For experienced teachers only.
- Education 5526 Audio-Visual Aids

 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 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
 A continuation of Education 5535.
- 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 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 5506 Problems in Reading 3 credits

Methods and materials of instruction and diagnosis and treatment of

problems in reading. Emphasis is upon practices suitable for classroom.

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 5604 Development of Art Techniques in Teaching

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 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.

GUIDANCE

Education 5530 Principles of Guidance

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.

Psychology 5551 Mental Hygiene 3 credits. See Psychology, page 21.

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 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 5538 Social Casework in Guidance 3 credits
Case conferences, study of current counseling problems, reading of references, and submitting reports of cases discussed.

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.

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

Problems of supervising employes in modern industry. Emphasis is upon the application of scientific management and the importance of human relations.

Education 5641 Organization and Administration of Guidance Programs 4 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.)

CURRICULUM

Education 5542 Curriculum in English in Elementary and Secondary Schools 3 credits Guided studies in curriculum planning.

Education 5543 Problems in Curriculum Construction

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.

ART

Art 5801 Arts and Crafts
Specific methods for development of creative art activity.

Art 5601 The Arts in Contemporary Life
Philosophy, music, and art as interrelated aspects of modern life.

Art 5411 History of Modern Art

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

The Renaissance in northern and western Europe and the art of the seventeenth and eighteenth centuries.

ENGLISH

English 5508 World Literature

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 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.

English 5208 The Ballad

3 credits

Dramatic Art 5305 The Drama: An Introduction to Its Analysis and Appreciation

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.

English 5331 Contemporary Drama

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.

English 5314 Social and Intellectual Backgrounds in American Literature 3 credits

HISTORY AND SOCIAL STUDIES

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.

Geography 5615 Geographic Patterns 3 credits
Physical character and human use of geographic regions.

History 5302 The Orient in Twentieth Century
A history of the Orient from 1900 to the present.

Political Science 5306 Comparative Government 3 credits
An analysis of various types of political institutions in major states of the world today.

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 5403 U. S. Foreign Policies Since 1898 3 credits
A history of American diplomacy from 1898 to the present.

Geography 5650 Foundations of Geography

3 credits

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.

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.

Geography 5550 Principles of Human Geography

3 credits

Adjustments which man makes to various habitats; a consideration of natural environmental factors in relation to human life.

LIBRARY SCIENCE

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. 5217 Book Selection I

3 credits A study of criteria and tools of book selection; attention given to publishers' series; individual problems of selection considered.

Lib. Sci. 5224 Administration of School Libraries

Organizing the school library to assist in meeting the objectives of the school program; principles and techniques of administering the library.

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. 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.

Education 5526 Audio-Visual Aids-See page 15.

MATHEMATICS

Math 5301 Advanced Calculus

3 credits

Series, expansion of functions, hyperbolic functions, partial differentiation, multiple integrals.

Math 5303 Solid Analytic Geometry Three dimensional.

Math 5401 Differential Equations

3 credits

Math 5307 Higher Algebra

3 credits

Elementary theory of numbers, group theory, fields, polynomials over a field, algebra of matrices.

Math 5315 Statistics

3 credits

Frequency distributions, central tendency, dispersion, normal curve, correlation.

Math 5322 Fundamental Concepts of Geometry

3 credits

Foundations and evolution of geometry; selected topics from Euclidean and non-Euclidean germetries, projective geometry, affine geometry; studies in the nature of proof and famous geometric problems. This course is especially recommended for prospective teachers of mathematics.

Math 5825 Introduction to Modern Mathematics Part I

3 credits

An elementary study of the logical development of mathematical systems, with emphasis upon the structural bases of the systems of natural numbers, whole numbers and integers.

Math 5826 Introduction to Modern Mathematics Part II

3 credits

An extension of Part I in which emphasis is placed upon the structure of the systems of rational, irrational, and real numbers. Extensive study is made of the algebra and geometry of solution sets for equalities and inequalities in one and two dimensions.

MUSIC

Music 5731 Basic Music

3 credits

Designed for classroom teachers: includes note reading, rhythmic exercise, sight reading, teaching rote songs, and attention to basic skills in chord playing.

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 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.

PHYSICAL EDUCATION

Physical Education 5405 School Health Program

3 credits

The development and administration of an adequate school health program. Special emphasis on the cooperation of School Health agencies with the Department of Public Health, voluntary and private health agencies. Survey of areas dealing with Health services, health supervision and counseling, and health instruction.

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 5811 Public Relations in Physical Education

3 credits

The application of good public relations to physical education. Effective practices employed in industry are applied to physical education. Topics include philosophy and principles of public relations; radio, television and newspapers as public relations agencies; effective public speaking; use of handbooks and other publications.

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 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.

PHILOSOPHY

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.

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 5929 Far Eastern Thought

3 credits

PSYCHOLOGY

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

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 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 class-room 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 5547 Psychology of Exceptional Children and Youth

 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.
- Education 5546 Theories of Learning
 A course in advanced educational psychology with major focus on verbal learning and verbal behavior.
- Psychology 5215 Statistics in Psychology and Education 3 credits

 Basic statistical principles and techniques; measures of central tendency and dispersion, probability, linear correlation, inference and prediction.
- 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
- Psychology 5862 Measurement and Evaluation II: Individual and Intelligence Testing

and Evaluation sequence.

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 5210	Psychology of Personality	3 credits
	A study of the major contemporary approaches to theory, including relevant research and overall evaluat	personality ion.

Psychology 5761 Seminar in School Psychology 3 credits
Required of all candidates for M.Ed. in School Psychology.

Education 5417 The Use of Appraisal in Counseling 3 credits

Education 5721 Counseling I 3 credits (See page 24.)

Education 5722 Counseling II 3 credits (See page 24.)

Education 5519 Educational Tests and Measurements

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.)

Psychology 5821 Individual Intelligence Testing

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

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 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.

EXCEPTIONAL CHILDREN AND YOUTH

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.

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 5837 Occupations for the Educable Retarded

 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 5741 Diagnosis of Speech Impairment

 Nature and causes of various speech problems of children and youth; consideration of diagnosis and treatment.
- 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.
- Art 5801 Arts and Crafts
 Specific methods for development of creative art activity.

SCHOOL COUNSELING

- Education 5530 Principles and Philosophy 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. Survey of personnel services.
- 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.
- Education 5721 Counseling I—Theories and Techniques

 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

 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 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.

Psychology 5551 Mental Hygiene (See page 21.) 3 credits

Psychology 5309 Psychology of Abnormal Behavior (See page 21.)

3 credits

SCIENCE

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.

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 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.

SOCIOLOGY

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. Sociology 5202 The Family

The study of the present-day American family and marriage relationships, mate selection, husband-wife relationships, parent-child

tionships, mate selection, husband-wife relationships, parent-child relationships, family disorganization, and the family budget.

Sociology 5301 Juvenile Delinquency

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.



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