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Madison College (Harrisonburg, Va.)

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The Southern Association of Colleges and Schools

The National Council for Accreditation of Teacher Education for Preparation of Elementary Teachers and Secondary Teachers with the Master's Degree as the Highest Degree Offered

The Virginia State Board of Education

It is a member of:

The American Association of Colleges for Teacher Education

The Association of American Colleges

The Association of Virginia Colleges

The National Commission on Accrediting (not an accrediting agency)

The American Association of State Colleges and Universities

The American Council on Education

Water color cover by J. David Diller.
### SUMMER SESSION CALENDAR

#### 1968

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- **June 15**—Dormitories open. Reservations held only until 6:00 p.m., Monday, June 17.
- **June 16**—Dining room opens—Supper is the first meal served.
- **June 17**—Registration: 9:00-12:00 Noon, 1:30-4:30 p.m.
- **June 18**—Classes begin. Deadline for filing with Educational Testing Service for Graduate Record Examination on July 13.

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- **July 4**—Holiday.
- **July 9-10**—Institute on Education.
- **July 12**—Eight-week classes meet; final examinations for First Four-week courses: 1:00-3:30 p.m.
- **July 13**—Graduate Record Examination.
- **July 15**—Registration for new students in Second Four-Week Courses, 7:15-12:00 Noon. Classes meet on regular schedule.
- **July 26**—Deadline for final filing of thesis with the graduate office if degree is to be received in August 11.

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<th>AUGUST</th>
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- **August 8, 9, 10**—Examinations.
- **August 11**—Sunday, 10:00 a.m.—Final exercises; conferring of degrees.

Dining room closes after lunch. Dormitories close at 6:00 p.m.
SUMMER SESSION, 1968
FOR GRADUATES AND UNDERGRADUATES

Eight-Week Session—June 17-August 10
First Term—June 17-July 12
Second Term—July 15-August 10

REGISTRATION FOR FULL SESSION AND FIRST TERM
JUNE 17—{9:00 A.M.—12:00 NOON
{1:30 P.M.—4:30 P.M.

REGISTRATION FOR SECOND TERM
July 15—7:15 A.M.-12:00 NOON

PLEASE BRING THIS BULLETIN
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Martinsville

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Winchester

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CHARLES W. ZIEGENFUS, Assistant Professor of Mathematics. B.S., Moravian College; M.S., University of Kansas.
INTRODUCTION TO MADISON COLLEGE

Madison College, a State-aided, general college of arts and sciences, was established in 1908 by the Legislature of Virginia. It is operated under the supervision, management, and government of the Board of Visitors of Madison College. The College enrolls at the present time more than 3,000 students in the Winter Session and approximately 1,600 in the Summer Session.

The over-all purpose of Madison College is to educate students for the responsibilities of life and leadership in the State and Nation. To this end the College has been authorized by the State Board of Education to confer three baccalaureate and four post-baccalaureate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Music Education, Master of Arts in Education, Master of Science in Education, Master of Arts, and Master of Science.

LOCATION—ENVIRONMENT

Harrisonburg, a city of 16,000 people, is situated near the center of the beautiful Shenandoah Valley, midway between the Alleghany Mountains and the Blue Ridge. The colorings and outlines of the mountains form an attractive background for the College. The elevation of 1,300 feet generally provides an invigorating atmosphere and cool nights.

The presence in the Valley of a number of caverns, the Shenandoah National Park, the Skyline Drive, the George Washington National Forest, the Natural Bridge, and a great variety of mountain scenery provide an interesting environment for the College.

LIBRARY

The Madison Memorial Library building contains over 130,000 volumes carefully selected to implement the instructional program of the College and to help the student gain a cultural background for personal growth. The book collection is supplemented by over 670 current periodicals and eighteen newspapers and by collections of films, file-slides, recordings, and pamphlets. The Library is organized to give students maximum freedom in the use of all library materials.

LABORATORIES

Excellent laboratory facilities are available for work in biology, business education, chemistry, physics, home economics, audio-visual education, foreign languages, and fine and industrial arts. The kitchen and dining halls are also used as laboratory facilities in institution management.
THE SUMMER SESSION

The program for the Summer Session at Madison College has been designed to serve a wide variety of students. It makes available to Madison students, to students from other colleges, to teachers in elementary and secondary schools and to other scholars a wide variety of courses, both academic and professional.

THE ACCELERATED PROGRAM

Madison College was the first Virginia college to organize its work on an all-year basis. For more than thirty years it has been possible for students to complete a four-year program at Madison College in three years by taking work in Summer Sessions as well as during the regular academic year. If a student wishes to enter the accelerated program, he should, with the help of the Assistant Dean, arrange a complete tentative three-year program. This planning is necessary in order to schedule a four-year program into three years.

ACCELERATION FOR FRESHMEN STUDENTS

Acceleration for freshmen may be accomplished by high-school graduates entering college in June and completing their work three years later.

All freshmen who are admitted in June should have their programs of study approved by the Assistant Dean of the College.

THE ACCELERATED PROGRAM FOR UPPERCLASSMEN

Upperclassmen who decide to finish a four-year program in three calendar years need to make choices with special care in the Summer Session.

FACULTY ADVISERS

If the student needs assistance in planning his program, he should seek the help of the departmental chairman of the subject in which he is majoring.
DEGREE PROGRAMS

BACCALAUREATE DEGREE PROGRAMS

Madison College offers programs leading to the Bachelor of Arts, Bachelor of Science, and the Bachelor of Music Education degrees. These programs, along with requirements for graduation, are described in detail in the bulletin of the Regular Session. The student interested in enrolling in one of these programs should request a copy of the bulletin of the Regular Session from the Director of Admissions.

GRADUATE DEGREE PROGRAMS

Madison College offers programs leading to the Master of Arts in Education, Master of Science in Education, Master of Arts with a major in English and Master of Science with a major in Biology or in Mathematics. A complete description of the graduate program is included in the Graduate Bulletin.

GRADUATE COURSES IN SUMMER SESSIONS

Madison College has discontinued the Division of the Summer Session into an Intersession of three weeks and a Six-Week Session. In 1968 there will be a session of Eight Weeks, divided into two Four-Week terms. A graduate student will be able to earn nine semester hours by attending the full session. During this period he could take three courses that continue through the Eight Weeks, or one such course along with one course offered during the First Four Weeks, followed by one course offered during the Second Four Weeks. A normal load for four weeks is three semester hours.
ADMISSION

Application

A formal application for admission to the Summer Session is required of all students who wish to attend the Summer Session. An application for admission form may be obtained by writing to the Assistant Dean of the College. The application form should be completed carefully and returned promptly.

A $5.00 application fee (not refundable) must accompany the application. In addition, a room reservation deposit of $15.00 is required of all students who wish to live on campus. This room deposit is not an additional expense; it will be credited to the student's account upon his registration and enrollment in Madison College. It is refundable only if the application is cancelled before May 1, or if the application is disapproved. The room reservation deposit must be paid also for each child who will accompany his parent to the Summer Session. Inquiries should be addressed to the Dean of Student Services concerning children on campus.

Rooms for the Summer Session will be assigned in the order that applications are received. After the admission has been approved, the Dean of Women will make the room assignment. All students will be notified of their room assignments by the Dean of Women early in June. Upon arrival on campus the student should report directly to the hostess of the dormitory to which assignment has been made.

To be admitted to the Summer Session, an applicant must be a graduate of an accredited high school or secondary school and must have such records as to recommend him for admission to college. In addition to satisfactory academic qualifications, the applicant must be in good health, free from any communicable disease, and physically capable of performing the usual duties required by the College program. Any student who withholds pertinent information may be asked to withdraw from the College.

Admission to the Summer Session does not imply admission to the regular session. If the student enters the Summer Session with the intention of continuing in the regular session, he must submit a formal application for admission to the Director of Admissions. (For admission policies of the College see the regular session catalogue for 1967-68.)

Summer School applicants fall into two general classifications: entering freshmen (no previous college work) and advanced students (previous college attendance).
Entering Freshmen

An entering freshman must submit a transcript of his high-school record, scores on the Scholastic Aptitude Test of the College Entrance Examination Board, and a recommendation from his high-school principal. Each applicant is considered on his individual merits in accordance with the policies established by the Committee on Admissions.

Advanced Students

An advanced student who wishes to earn credits in the Summer Session must be in good standing at the last college or university he attended, or must have been honorably dismissed from that institution. Evidence to this effect must be submitted along with the student's application for admission.

An advanced student who wishes to earn credits in the Summer Session to transfer to another college must submit a "Statement of Good Standing" from the college to which the credits are to be transferred. A blank for this purpose may be found in the back of this catalogue. This form should be filled in by the dean or registrar and returned to the Assistant Dean of the College, Madison College.

An advanced student who wishes to earn credit for the renewal of a teaching certificate must submit a "Statement of Good Standing" or "Honorable Dismissal" from the last college attended. A blank for this purpose may be found at the back of this catalogue. This form should be filled in by the dean or registrar and returned to the Assistant Dean of the College, Madison College.

An advanced student transferring from another college (fully accredited) who wishes to complete degree requirements at Madison College must satisfy the entrance requirements. He should request the registrar or dean of the college he has attended to send a full statement of credits to the Assistant Dean of the College, Madison College, well in advance of the opening of the Summer Session.

Veterans

Veterans are admitted to Madison College under the Public Laws granting educational benefits to veterans.
EXPENSES

The College reserves the right to adjust fees and charges if deemed advisable by the Board of Visitors because of rising costs or other conditions. Expenses are due and payable, in full, upon entrance.

General Fees
- Undergraduate—per course $38.00
- Graduate—per course 48.00

Tuition Fee (Additional fee per course required of non-Virginia students only) 32.00

Campus Fee 3.00

Board, room and laundry
- Eight-Week Session 130.00
- Four-Week Term 65.00

Thesis: Graduate students registering for a thesis will be charged $96.00 plus out-of-state tuition of $64.00, if applicable.

The foregoing schedule of fees does not cover cost of books and supplies, but it does cover laboratory fees.

Fee for Schedule Adjustment and Late Registration: A fee of $5.00 will be charged to those students who change schedules after registration or who register after the specified time. Any waiver of this fee must have the approval of the Assistant Dean of the College.

Massanetta Music Workshop—(see Music Department)

Auditing: Auditors of classes, who are not taking courses for credit, will pay the same tuition rate as regular students.

Diploma Fee: The diploma fee will be $5.00 for a Bachelors and $7.50 for a Masters.

Student Teaching: Any student taking student teaching in conjunction with other courses will be classified as a full-time student and will be charged full rates.

Single Room: If any student wishes to room alone, he or she may secure such accommodations by paying $12.00 additional.

Fees for room, board, and laundry are $16.25 per week and $2.50 per day for fractional parts of a week. This rate is not applicable to regular dormitory students.

All financial accounts must be settled before the award of any diploma or certificate credit.
A $5.00 application fee must accompany the application blank. This application fee is non-refundable, non-transferable, and will not be credited to the student’s account. In addition a room reservation fee of $15.00 will be required of all dormitory students. This fee will be credited to the student’s account upon his registration and enrollment in Madison College. This room reservation fee also applies to children who will accompany their parents to the Summer Session.

REFUNDS

The following charges and refunds apply to students withdrawing from the College and to late entrances and absences. Refunds will be figured from the effective date of withdrawal, which is not necessarily the date of leaving campus.

Fees: Students who withdraw from the college within five days after registration will be charged the Minimum Registration Fee of $15.00. For withdrawal after five days, but before the middle of the session, students will be charged one-half of the general fee and all other fees in full. After the middle of the session no adjustment in fees will be made for withdrawal from college.

Students who withdraw due to illness certified by a physician, or for unavoidable emergency, or extenuating circumstances approved by the Dean of Student Services will be charged a pro rata share of all fees.

Room Rent, Board and Laundry: Room rent will be charged in full unless fees are adjusted on the basis of the preceding paragraph. Board and laundry will be prorated for the actual time in residence.

Enforced Withdrawals: Any refunds made to students whose connections with the College terminate because of disciplinary action or enforced withdrawal will be at the discretion of the President of the College.

Late Entrance and Absences: Adjustment in the charge for room and board will not be made for late entrance.

Room Deposit Fee: The room deposit fee of $15.00 will not be refunded unless the student is refused admission by the College or unless the application is cancelled prior to May first.
FINANCIAL AIDS

SCHOLARSHIPS

GRADUATE AND UNDERGRADUATE SUMMER SESSION
TEACHING SCHOLARSHIPS (for teachers in service).

At the 1947 Special Session of the Virginia General Assembly, a system of State Scholarships was established for Virginia teachers attending summer school in Virginia Colleges. At succeeding sessions appropriations for such scholarships, which are awarded under rules and regulations of the State Board of Education, have been continued.

I. GENERAL ELIGIBILITY

The candidate must be a resident of Virginia and be under contract with a Virginia school board for the ensuing session and expected to teach the subject, subject area, or grade to be studied.

A waiver of the requirement that the candidate be under contract for the ensuing session may be made upon the recommendation of the division superintendent. Candidates whom he intends to employ at some future date as kindergarten teachers are eligible for Summer School Scholarship courses leading to endorsement in Kindergarten Education.

II. SPECIFIC REQUIREMENTS

To obtain undergraduate scholarship assistance, the candidate must be enrolled in an accredited State-supported or private non-sectarian Virginia institution of higher learning in a summer session for not less than three semester hours and be in one of the following categories:

a. A college graduate who enrolls in courses leading to the Collegiate Professional Certificate.

b. A holder of a Collegiate or Collegiate Professional teacher's certificate who enrolls in courses leading to an acceptable endorsement not now on his certificate in order to prepare for a teaching assignment effective in the fall of the current year. (See exception under General Eligibility.)

c. A teacher who enrolls in courses in Educational Television, Guidance, Training of the Handicapped, or in subjects usually taught in the elementary school at the request of the superintendent in order to prepare for a teaching assignment effective in the fall of the current year. (See exception under General Eligibility.)

d. Have completed a minimum of 60 semester hours of college work and be enrolled in courses leading to a degree. This includes holders of the Normal Professional Certificate, and Special License or equivalent. Teachers who have completed less than 60 semester hours of college work may apply. They
will be processed as special cases in terms of the recommendation from the division superintendent and the availability of teacher scholarship funds.

To obtain graduate scholarship assistance, the candidate must hold a Virginia teacher's certificate in force and be endorsed in the subject, subject area, or grade to be taught and be enrolled in an accredited State-supported or private non-sectarian Virginia institution of higher learning in a summer session for not less than three semester hours of graduate or advanced undergraduate work appropriate for the applicant in one of the following areas:

a. Courses in Kindergarten Education, courses in the techniques of Teaching Reading, and subjects usually taught in the elementary schools.


c. Guidance.

d. Audio-Visual instructional media including Educational Television.

III. APPLICATION PROCEDURES

Graduate and undergraduate scholarship assistance forms will be available in March in the Office of the Division Superintendent of Schools. The superintendent under whom the applicant has taught or will teach must recommend the candidate for enrollment in the approved courses. For further information the teacher should consult his division superintendent of schools.

Applications must be submitted on official forms to the Department of Education in Richmond, Virginia, by April 28.

IV. SCHOLARSHIP PAYMENT

After the applicant has been approved and enrolled in the proper courses, a check will be sent to the student in care of the College. Reimbursement will be at the rate of $20.00 per semester hour of credit: Minimum—3 semester hours, $60.00; maximum—9 semester hours, $180.00. In no instance will the amount reimbursed exceed the actual college resident cost of tuition, required fees, room and board.

PRORATED SUMMER STATE TEACHERS' SCHOLARSHIPS

A student who continues study in the summer session in order to secure a degree in less than four calendar years or a teacher who attends a summer term and then remains in college for the regular session may be considered eligible for a Prorated Summer Quarter State Teachers' Scholarship. Study may consist of a maximum of ten (10) semester hours of credit toward the baccalaureate degree. Schol-
arship aid will be available at the rate of $117.00 per summer quarter for a full class load of ten (10) semester hours. (The minimum class load is six (6) semester hours with scholarship aid at the rate of $12.00 per semester hour.) To qualify the applicant must be a resident of Virginia enrolled in an approved course of study which includes student teaching and qualifies him for a Collegiate Professional Certificate, and personal characteristics desirable for teaching. (A limited number of freshmen are eligible for this scholarship.) The scholarship obligations may be cancelled with no repayment of money, by teaching after graduation from college one full year in the Virginia Public Schools for each scholarship held. If graduation is accelerated by including prorated summer scholarships with regular term scholarships, the period of teaching to cancel the four or more loans will not extend over more than four school years. Applications may be obtained from the Office of Admissions and Student Aid, Madison College, upon request, from February first to April first.

STUDENT EMPLOYMENT

**Dining Hall Service:** Students are employed as waitresses and waiters in the dining hall at Madison College, and for their services they receive compensation for the summer session ranging from $92.00 to $138.00, depending upon the number of hours worked. The students who receive this employment are selected on the bases of merit, date of application, financial need, and other qualifications. Applications are received in the Office of Admissions and Student Aid, and they should be filed at an early date.

**Ten Hour Service:** The College provides employment for a number of students who serve as assistants in the library, laboratories, administrative offices, dormitories, and in the recreational program. The compensation for these positions is approximately $92.00 for ten hours work per week for the Summer Session.

**College Work-Study:** A federal supported program of employment for students, especially those from low-income families who need to help pay for college expenses, permits students to work up to fifteen (15) hours a week at $1.15-$3.00 an hour (depending upon the skills required on the job). The student’s eligibility depends upon both ability and need for employment. On-campus jobs can include work in the dining halls, laboratories, library, maintenance and secretarial positions for the faculty and administration. Madison College only participates in the on-campus phase of the College Work-Study Program.

NATIONAL DEFENSE STUDENT LOANS

Madison College has participated in the National Defense Student Loan Program since 1959. Freshmen who have been accepted for enrollment or upperclassmen with acceptable academic averages who
are enrolled in full-time or at least half-time courses at Madison College and who need financial aid for educational expenses are eligible for National Defense Student Loans. Madison College only has funds available for full-time student borrowers.

An undergraduate student may borrow up to one thousand dollars ($1,000) each academic year to a total of five thousand dollars ($5,000). Graduate students may borrow as much as two thousand five hundred dollars ($2,500) per year to a maximum of ten thousand dollars ($10,000). The repayment period and the interest do not begin until nine months after the student ends his studies. The loans bear interest at the rate of 3 per cent per year and repayment of principal may be extended over a ten-year period, except that the institution may require a repayment of no less than fifteen dollars ($15) per month.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be forgiven at the rate of 10 per cent for each year of teaching service. Borrowers who elect to teach in certain eligible schools located in areas of primarily low-income families may qualify for cancellation of their entire obligation at the rate of 15 per cent per year.

The colleges and universities approve and make the loans and are responsible for collections. Repayment may be deferred up to a total of three years while a borrower is serving in the Armed Forces, with the Peace Corps, or as a Volunteer in Service to America (VISTA). Repayment is deferred for as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic work load.

All applicants for the National Defense Student Loan must submit the Parents' Confidential Statement from the College Scholarship Service in support of their applications for this assistance. The Parents' Confidential Statement should be submitted in advance of the date of approval of the loan. This form may be obtained from the secondary school guidance counselor; the Madison College Director of Admissions and Student Aid; or the College Scholarship Service, Box 176, Princeton, New Jersey 08540.

**APPLICATION PROCEDURE**

Students desiring to apply for a Prorated Summer State Teachers' Scholarship or Student Employment, or wishing to borrow from the loan fund, may obtain an application blank from the Office of Admissions and Student Aid, Madison College. An average of 2.00 is required of upperclassmen at Madison College to be eligible for financial aid. (Exception—Dining Hall Waitresses.) These applications should be filed as early as possible.
STUDENT LIFE

LIVING ACCOMMODATIONS

WOMEN STUDENTS

The College is able to supply dormitory and dining room accommodations to all of its women students without crowding. Most rooms are double rooms furnished for two persons. A limited number of rooms furnished for one person are available at a small additional cost. No rooms in Hoffman Hall will be available for single occupancy.

MEN STUDENTS

Dormitory space is available for men students. Undergraduates are encouraged to live in the dormitories. Private rooming accommodations may be obtained in Harrisonburg. Meals are provided by the College. Undergraduate male resident students will be subject to the same rules and regulations concerning automobiles as are women undergraduates. Single and double rooms are available for graduate students.

ADVANCED AND MATURE STUDENTS

Advanced and mature students are granted by the Faculty of the College special privileges which allow greater freedom. Such students are placed, as far as practicable, in separate dormitories.

MOTHERS AND THEIR CHILDREN

For approximately nineteen years, Madison College has provided dormitory and other campus facilities for mothers who bring children with them to the summer session. Because of new construction on the campus several of the houses formerly used for this purpose have been removed. The resulting shortage of suitable housing accommodations for children has forced the College to curtail this service. Inquiries should be addressed to the Dean of Student Services.

OVERNIGHT GUESTS

A student is not permitted to have overnight guests, including members of his or her family, in the College dormitories except by permission from the Dean of Women or Dean of Men. Arrangements and payment of fees must be made in advance.
MEDICAL SERVICE FOR STUDENTS

The Infirmary, staffed by a college physician and trained nurses, provides health and medical service for all full-time students. This service provides simple remedies and ordinary nurse’s and physician’s attendance. It does not cover the cost for the student of specially compounded prescriptions, special private nursing hospital care in serious and protracted cases, surgical operations, or the service of specialists; but for practically all students it will cover all requirements for medical attention and supplies.

Day students who are eligible for infirmary service will receive the same medical service as dormitory students except that they will not be entitled to room and board at the infirmary.

DINING HALL AND SNACK BAR

A new dining hall building, with a seating capacity of 2,000, is now being used. Meals are scientifically planned and prepared under the direction of a trained dietitian. The College Snack Bar provides lunch for day students.

STUDENT ACTIVITIES AND RECREATION

Varied Program

As far as possible the student activities of the Regular Session are carried over into the Summer Session. A student government and an honor system are developed to take care of the major problems of student government. Swimming, basketball, volleyball, tennis, archery, and other activities are provided for; and class organizations and a chorus are formed. The local chapter of the national scholarship society, Kappa Delta Pi, also functions regularly in the Summer Session. Every student is urged to take part in some co-curricular activity.

Motion Pictures

Motion pictures will be shown on Saturday evenings during the Summer Session.

Lyceum Course

During the coming Summer the College will provide for the students a series of lectures and entertainments.

Week-End Camp on Shenandoah River

A distinctive feature of the Summer Session at Madison is the use of the College Camp on the Shenandoah River. A farm on the river near Port Republic has been converted into a camp where students in large groups may go to spend a few days in recreation.
GOVERNMENT OF STUDENTS

STUDENT-CENTERED

In the main, student social welfare, dormitory life, and discipline are maintained by student self-government, but the final authority and responsibility for the results attained by student government rest with the President and the Faculty of the College.

REGULATIONS OF SOCIAL LIFE

Every effort is made to make student life in the Summer Session enjoyable as well as profitable. Entertainments, receptions, excursions, and like social activities are encouraged.

In social conduct, every student is required to conform to the regulations of the student government association and the school authorities.

HONOR SYSTEM

The Honor Council, elected by the students, works with the Student Government Association and the Faculty Judiciary Committee of the College to promote honorable behavior in all phases of student life.

The jurisdiction of the Honor Council shall extend to all cases involving cheating, lying, stealing, or failure to report one of the above breaches of honor. The jurisdiction of the Honor Council shall not extend to violations of administrative and student government rules and regulations, unless they involve cheating, lying, stealing, and failure to report one of these breaches of honor. For details concerning the Honor System, the student must consult the Student Handbook.

Violations of the honor code by graduate students are referred to the Graduate Council for consideration and action.

COLLEGE REGULATIONS

The State of Virginia requires that every student who avails himself of the privileges of an education at Madison College exhibit at all times the qualities of good citizenship and honor as defined and upheld by the best public opinion in our Commonwealth.

The College has certain rules and regulations.

These are set forth in detail in the College Bulletin and the Student Handbook. The College expects those who are admitted to the Summer School to assume responsibility for knowing and abiding by these regulations.
AUTOMOBILE REGULATIONS

General Statement

Resident students are not allowed to have automobiles, except by special permission, which is obtained through the Dean of Women or Dean of Men. When a student has obtained special permission to have or operate an automobile, it is expected that use of the automobile will be limited to the purposes for which permission is granted.

Restrictions pertaining to possession and use of cars by resident students do not apply to:

a. Those enrolled in the Graduate program.
b. Day Students.
c. Students 22 years of age or over.

Application of the Regulation

1. Except as noted above, no resident student shall, while college is in session, maintain or operate a motor vehicle in Harrisonburg, Rockingham County, or in adjoining towns or counties.

2. Storing or otherwise keeping an automobile in Harrisonburg, Staunton, Elkton, or other places in this area for occasional use is a violation of this regulation.

3. A resident student who rides in a car which is used in violation of the regulation will be held equally guilty with the owner or driver.

4. Special Privileges for all Students.

Resident students may bring automobiles to the campus for transportation to and from home under the following conditions:

a. With written permission from a parent or guardian and approval of the request by the Dean of Student Services filed in the Office of the Dean of Women or Dean of Men.
b. At the beginning of the summer session, provided they are taken home the week end following the opening of school.
c. The last weekend before the end of the summer session. (Automobiles brought to the College under conditions b. and c. above need not be registered.)

5. Other regulations:

a. Resident students driving cars back to the campus must be back by 9:00 p.m. unless special permission is obtained from the Dean of Women or Dean of Men to return later.
b. Before driving cars of other persons, a resident student must present a letter of approval from a parent or guardian to the Dean of Women or Dean of Men to obtain permission.
c. Carrying passengers—If a student carries a passenger in his or her car and makes a monetary charge whatever to the passengers (direct charge or reimbursement of expenses), then it is no longer necessary for the passenger to prove the student guilty of gross negligence if an accident occurs. All that has to be proved is that the student is guilty of ordinary negligence, which is easier to prove. Reimbursement for traveling expenses does not void Standard Virginia Automobile policies; but the law requires greater caution on the part of the vehicle owner or driver. Under certain conditions, it is possible for a student to be in violation of the State Corporation Commission laws concerning "for hire" transportation, if passengers are carried for a monetary charge.

Registration Requirements

All students having automobiles, including day students, students granted special permission to have automobiles (except as noted in section 4. b., c.), and students exempt from the regulation, must register their cars with the Office of the Business Manager when registering for classes and observe regulations in the booklet, Parking and Traffic Regulations.

Penalty for Violation of the Regulations

Students who violate the automobile regulations may be subject to dismissal from the College.

AUTOMOBILE PARKING PERMITS

All students who operate a motor vehicle on the campus must register the vehicle in the Office of the Business Manager. Each student will be given a registration card and a decal to indicate that the vehicle has been registered. The decal must be displayed prominently in the lower right corner of the rear window. Detailed information concerning traffic and parking regulations will also be given each registrant.
ANNOUNCEMENTS

MINIMUM CLASS SIZE

The College reserves the right to withdraw any class, in which there are fewer than eight students enrolled.

REQUIREMENT OF PROFICIENCY IN ENGLISH

In order to insure the continuous use of good English a proficiency examination in English is required of all students in their junior year. The successful completion of this examination is a prerequisite to graduation. This examination will be given in two parts. (See Summer Session Calendar)

POST OFFICE BOXES

All students will be assigned a post office box at the College. However, the student is responsible for making the arrangement with the College post office.

COLLEGE BOOKSTORE

The College maintains a College Bookstore, located temporarily in the Gibbons Dining Hall, where students may obtain textbooks, stationery, classroom materials, equipment, and other miscellaneous supplies. The Bookstore operates on a cash basis.

STUDY LAMPS

The College does not provide desk lamps. Facilities are available for their use, however, but they must be supplied by the individual.

BED LINEN

Bed linen is furnished by the College. One bath towel and one face towel are supplied each week. If additional towels are desired, students are asked to bring them.

PETS

No pets are permitted on the campus.

VIRGINIA MUSIC CAMP—MASSANETTA SPRINGS

This is a camp for high school students and a workshop for teachers. It includes a Festival Chorus, a Junior Chorus, and an Orchestra, with a total of some 800 high school students, which provide opportunities for observation and laboratory experiences for the teachers' workshop. In addition, there are daily sessions in music for the elementary school.
Each of these activities is under the leadership of a visiting director who is outstanding in his field. For additional information regarding the Virginia Music Camp see Music Department.

SHENANDOAH FORENSIC INSTITUTE
July 29-August 9, 1968
Daily 8:30 a.m.-3:45 p.m.

Madison College is pleased to announce its First Annual High School Forensics Institute. It will provide outstanding speech and drama students enrolled in high schools an opportunity to study on a campus recognized for leadership in forensic activities. More and more, young people who are mentally alert and articulate, assume positions of leadership.

Registration is now open to all students who are in senior high school and are in the upper half of their class.

Applications may be obtained by writing to Dr. Eugene R. Moulton, Director, Shenandoah Forensic Institute, P. O. Box 118, Madison College, Harrisonburg, Virginia 22801.

NATURAL RESOURCES—CONSERVATION

The Resource-Use Education Council of Virginia will sponsor a three-week course in conservation for Virginia school teachers and other interested individuals from June 17 to July 5. A limited number of scholarships to cover tuition, meals, and lodging will be available to Virginia school teachers from funds provided by several interested organizations. All Virginia school teachers are eligible to apply.

COURSES OF SPECIAL INTEREST TO TEACHERS

The Education Department again will offer graduate and undergraduate courses essential to programs designed to prepare teachers for both secondary and elementary levels. In addition, other courses will be offered which relate to special areas of interest.

Several courses will be offered during the summer term for persons working in the area of early childhood education. Designed as part of the requirements for the Master's degree in early childhood education, these courses should be valuable to persons working in Head Start programs, in Day Care Centers, in the nursery school, in the kindergarten, and with disadvantaged children. Students should enroll in Education 612, Education 614, and/or Education 616.

Madison offers a Master's degree program which is designed to prepare reading specialists. Education 502, Education 507, and Education 660 are among the required courses in this program and will be offered during the 1968 Summer Session.
Opportunity also will be provided in a workshop setting for teachers to analyze the problems associated with the use of educational television as an instructional tool. Those interested should register for Education 501.

Several courses will be offered in the area of special education during the Summer Session. These courses are designed to assist the teacher in working with the mentally retarded child. Students should register for Education 514, Education 410, and/or Education 508.

Activities planned for several courses will require that enrollments be limited. The courses which will require limited enrollment are: Education 614, Practicum in Early Childhood Education; Education 660, Practicum in Diagnostic and Remedial Techniques in Reading; and Education 501, Seminar in Educational Television. Students who wish to be enrolled in the above courses should send letters of application to Dr. Charles W. Blair before May 15, 1968. The priority of application will be a major criterion in the selection of applicants. In addition, a formal application for admission to the Summer Session must be filed in the Office of the Assistant Dean of the College.
ACADEMIC REGULATIONS

ACADEMIC STATUS

The Dean of the College serves as executive officer in all matters of academic status. All proposed exceptional programs of study and exceptions to degree requirements must be presented to the Assistant Dean who acts for the Dean in matters of this kind. Exceptional programs of classes and exceptions to degree requirements are not permitted without the approval of the Assistant Dean. The Dean of the College or Assistant Dean also makes the decisions concerning all questions about the evaluation of credits.

CLASSIFICATION

A student is classified as freshman, sophomore, junior, or senior on the basis of work accomplished either at Madison or at other colleges from which he has transferred. The classification depends on the number of semester hours of credit he has received and on his quality rating.

*Freshmen* are students with fewer than 28 semester hours of credit.

*Sophomores* are students with 28-59 semester hours of credit and a quality rating of 1.75.

*Juniors* are students with 60-92 semester hours of credit and a quality rating of 2.00.

*Seniors* are students with more than 92 semester hours of credit and quality rating of 2.00.

QUALITY RATING SYSTEM

Quality points are assigned per semester hour of credit as follows: A grade of “A” is assigned 4 quality points; “B”, 3 quality points; “C”, 2 quality points; and “D”, 1 quality point. (Thus a grade of “B” in a course bearing 3 semester hours of credit would be assigned 9 quality points; and a grade of “C” in that course, 6 quality points.) No quality points will be allowed for an “E” which is removed by an examination or otherwise—except by the repetition of the course. With the approval of the head of the department, courses may be repeated to increase the number of quality points.

*The scholarship index* is computed by dividing the number of quality points by the number of semester hours attempted. Thus, if a student takes 16 semester hours of work and earns 40 quality points his scholarship index is 2.50. *Only courses taken at Madison are used in computing the scholarship index.*

To enroll in Ed. 359, 360, 369, and 370, or other junior courses prerequisite to student teaching, a student must have a scholarship index of 2.00. A scholarship index of 2.00 is required for students who enroll in Ed. 480, Directed Teaching.
For information concerning the letter-grade system, see the College Bulletin.

**ATTENDANCE POLICY**

Regular class attendance is expected of all students. Responsibility for all course work is the student’s whether present or not.

Absences for certain reasons may be certified. Absences due to illness may be certified by the College Physician, those caused by death or serious illness in the immediate family, those due to religious holidays and emergencies may be certified by the Dean of Women for women students, and by the Dean of Men for men students. Students who become ill while at home or away from the College should obtain a statement verifying the illness from the attending physician and present it to the College Physician for his certification. Certified absences should be brought by students to the attention of the instructors of classes missed by presenting the statements of certification.

Students are permitted to take make-up tests for absences that are certified.

First semester freshmen will be subject to disciplinary action by the Attendance Committee if they miss more than one meeting of any class.

**ACADEMIC PROBATION**

All students with a cumulative average of less than 2.0 are on academic probation. This regulation will become effective for each new student at the beginning of the second semester of his first year here. Scholastic averages will be computed at the end of each semester and at the end of the Summer Session at which time revised lists of names of students on academic probation will be distributed to the faculty.

All students who are on academic probation (cumulative average of less than 2.0), regardless of the number of years they have been at Madison, will be permitted only those social privileges allowed first semester freshmen.

**CHANGE OF COURSES**

After the student has completed his class schedule and has registered, no class may be dropped, no additions made, and no transfer to other sections made—without the approval of his adviser and the Assistant Dean of the College. In the Summer Session, such changes must be made before the third meeting of classes. After this time a class may not be added.

A fee of $5.00 will be charged to those students who change schedules after registration. Any waiver of this fee must have the approval of the Assistant Dean of the College.
STUDENT LOAD

The normal load for students in the Summer Session is nine semester hours of credit. The maximum number of semester hours permitted is ten.

WITHDRAWAL

Withdrawal is the complete severance of the student's relation with the Summer Session before the end of the term for which he is registered. If a student finds it necessary to withdraw from the Summer Session, he must go to the Office of the Dean of Women or Dean of Men and fill out an application for withdrawal card. If an emergency prevents the student from attending to this before leaving the College, he should notify the Dean of Women or Dean of Men by letter and request a withdrawal card, fill it out and return it as soon as possible. Promptness is important, as the date on which the withdrawal card is received is used in determining the amount, if any, of refund due the student.

Formal withdrawal is necessary in order to maintain the "Good Standing" status of the student on his record.

Withdrawal should not be confused with dropping a course.

CREDIT FOR EXTENSION COURSES

Not more than twenty-five per cent of the work toward any degree may be done through extension. Such work must be relevant to the degree for which the student is enrolled. Students should secure approval from the registrar in the choice of such courses.

AUDITORS

Students who are enrolled in courses as auditors will not be permitted to change their registration from audit to credit after termination of the period which is designated for schedule adjustments.

STUDENT DEBTS OWED TO THE COLLEGE

The regulations of Madison College strictly require (1) that no credit for college work may be given to any student for a diploma, or a teacher's certificate, or for transfer purposes, until all debts to the College, other than student loans, have been paid; (2) that students will not be eligible to take examinations unless accounts are paid in full for the current semester or a satisfactory plan to pay the balance has been arranged with the Business Manager; and (3) that upon recommendation of the Business Manager and with the approval of the Dean of the College, students who are deficient in their accounts may be restricted from attending classes until satisfactory arrangements have been made for payment of their past due obligations to the College.
1968 SUMMER SESSION

COURSES OFFERED DURING THE FIRST FOUR WEEKS
UNDERGRADUATE AND GRADUATE

Business Education 640 Seminar in Automated Data Processing
Chemistry 101 General Chemistry
Chemistry 235 Organic Chemistry
Economics 501 Economics Seminar: Industry in Action
Education 502 The Elementary School Reading Program
Education 612 Methods & Materials in Early Childhood
English 520 Practice of Literary Criticism
French 231 Intermediate French
French 101 Elementary French
German 231 Intermediate German
Health 550 Recent Developments in Health
Home Economics 270 Home Management in Relation to Personal and Family Resources
Physics 121 General Physics
Psychology 357 Personality
Sociology 312 Social Pathology
Sociology 425 Crime in America
Sociology 530 Negro in America
Spanish 231 Intermediate Spanish
COURSES OFFERED DURING THE SECOND FOUR WEEKS
UNDERGRADUATE AND GRADUATE

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Explanatory Notes

Each undergraduate course is designated by a number from 100 to 499. The number 500 designates an honors course. Numbers from 501 to 699 designate graduate courses.

Courses numbered 100-199 are intended for freshmen

Courses numbered 200-299 are intended for sophomores

Courses numbered 300-399 are intended for juniors

Courses numbered 400-499 are intended for seniors

Courses numbered 500 are undergraduate honors courses

Courses numbered 501-599 are for advanced undergraduate and graduate students

Courses numbered 600-699 are exclusively for graduate students

Wherever the term credits is used in course descriptions, it refers to semester hour credits.
ART

DR. THEODORE, Head of the Department

ART 125. Ceramics, Glass and Mosaics. Four double periods a week; two credits.

Introductory work in ceramics in the hand-building processes, potter's wheel, application of glazes; exploration of techniques in glass and mosaics.

ART 150. Drawing. One single and four double periods a week; three credits.

An introductory course composed of problems in landscape, perspective figure and still-life in several media.

ART 160. Introductory Painting. Two periods daily; three credits.

For students who have had some experience in drawing. Registration by permission of the instructor.

ART 200. Art in General Culture. Three single and two double periods a week; three credits.

An exploratory course which aims to develop a non-technical, general cultural understanding of the space arts, such as architecture, painting, sculpture and industrial design. Emphasis is on the contemporary.

ART 310. Art Activities in the Elementary School. Two single and three double periods a week; three credits.

A study of the aims and philosophy of art education in the elementary school with emphasis on child growth and development through experiencing art. Prerequisites: Art 200, Psy. 233-234.

ART 360. Painting. Two periods daily; three credits.

Oil painting and other media with creative and esthetic considerations of picture structure. Prerequisites: Art 150, Art 244.

ART 680. Criticism Of Art. Three credits.

Study of basic questions existing in art philosophy and esthetics.
BIOLOGY

DR. MENGEBIER, Head of the Department

BIOLOGY 110. General Biology. Ten periods a week; four credits.

A beginning course which stresses the fundamental principles of life with emphasis on contemporary living. Consideration is given to the composition, structure, and organization of living bodies—cells, tissues, organs, systems, and organisms. The major systems of the human being are studied with emphasis given to reproduction and heredity. Required of all students.

BIOLOGY 120. General Zoology. Ten periods a week; four credits.

A survey of the plant and animal kingdoms. The structure, function and taxonomy of representative forms will be emphasized. Required of all Biology majors and minors. Prerequisite: Bio. 110.

BIOLOGY 130. General Botany. Ten periods a week; four credits.

A course involving a study of the development, structure, and function of plants, and their relationships to other organisms. Required of all Biology majors and minors. Prerequisite: Bio. 110.

BIOLOGY 280. Bacteriology. Five double periods a week; four credits.

Designed to give the student a general understanding and appreciation of bacteria and related fungi. This is a basic course for pre-nursing, home economics, and pre-medical technology students, and may be used as an elective by students in other programs. Prerequisite: Bio. 110.

BIOLOGY 290. Human Anatomy. Five double periods a week; four credits.

An introduction to the study of human anatomy with particular emphasis on the skeletal, muscular, circulatory, endocrine and nerve systems. The laboratory animal is the cat, with emphasis on careful and accurate dissection. All laboratory quizzes are practical examinations. Required of all students preparing for nursing and for physical education majors. Prerequisite: Bio. 110.

BIOLOGY 290N. Human Anatomy. Five double periods a week; four credits.

An introduction to the study of human anatomy with particular emphasis on the skeletal, muscular, circulatory, endocrine and nerve systems. The laboratory animal is the cat, with emphasis on careful and accurate dissection. All laboratory quizzes are practical examinations. (Rockingham Memorial Hospital students only).
**BIOLOGY 510. Animal Ecology.** Three single and two double periods a week; three credits

A course designed to acquaint students with the fundamental relationships existing between animals and their environment. Emphasis will be placed on the dynamic aspect of ecology and its importance to mankind. The laboratory will consist of group discussion sessions and selected field trips throughout the Shenandoah regions.

**BIOLOGY 610. Population Genetics.** Five single and two double periods a week; four credits.

An introductory study of the genetics of populations as a basis for understanding evolutionary change.

**BIOLOGY 620. Invertebrate Physiology.** Five single and two double periods a week; four credits.

A comparative study of physiological processes in various invertebrate phyla, interpreted in terms of structural variation, evolutionary history, and ecology.

**BIOLOGY 670. Developmental Anatomy of Higher Plants.** Five single and two double periods a week; four credits.

A study of the origin, growth, differentiation, and maturation of cells, tissues, and organs and their interrelationships. Emphasis is placed on economically important structures of crop, ornamental, and forest plants.

**BIOLOGY 700. Thesis.** Six credits.

A thesis in the major field of interest and completed to the satisfaction of the student's adviser and the Graduate Council may be submitted in partial fulfillment of the requirements for the Master's degree. Students who elect to write a thesis are required to complete twenty-four semester hours in course work. The student's adviser must recommend the thesis subject and outline to the Graduate Council for approval prior to the start of the research program. The thesis must be completed one month before the time of graduation to assure the adviser of its acceptability.
BUSINESS

Dr. Dickerson, Head of the Department

BUSINESS 100. Introduction to Business. Daily; three credits.

Provides information for an elementary understanding of the history of business, the structure of business, financing, credit, distribution, labor relations, and wages.


This course in elementary accounting principles and procedures is planned to meet the needs of all accounting majors and others who desire a background in this area. The interpretation of data and the understanding of interrelationships are emphasized. Accounts, procedures, and statements for the single proprietorship, partnership, and corporation are studied. Topics such as internal control procedures, special journals, controlling accounts, inventories, manufacturing, fixed assets, depreciation, and adjusting and closing techniques are included.


A course designed to provide information in the areas of data processing. It stresses the development and usage of unit record and computer equipment and the language of data processing. Basic knowledge and application of problems on all unit record equipment. Prerequisite: Typewriting.


A course in Federal income tax accounting with emphasis on personal taxes, social security, estate, and gift taxes.


A comprehensive review of current books, magazines, and materials in the areas of Marketing, Banking, Taxation, Selling, Exchanges, Economic Conditions, and other areas essential to improved business understandings.

BUSINESS EDUCATION 600. Curriculum Construction in Business Education. Daily; (second four weeks); three credits.

Principles, practices, and problems in the evaluation and construction of business education curricula to meet the needs of youth in our secondary schools.

Advanced studies for the improvement of the teaching of Typewriting, Shorthand, and Business Machines.

BUSINESS EDUCATION 640. *Seminar in Automated Data Processing Systems.* Daily; (first four weeks); three credits.

Designed to provide the latest methods, techniques, and knowledge essential to the teaching of data processing. Classroom work and practical machine experience on the IBM equipment is provided.

BUSINESS EDUCATION 680. *Reading and Research.* Three credits.

Examination of approved research procedures for business education. Preparation of reports from assigned field problems applied to various research techniques. *Reading and Research* may be done only in the major field of study.


A thesis may be submitted in partial fulfillment of the requirements for the Master’s degree. It must be research on a subject in the major field of interest and completed to the satisfaction of the student’s adviser and Graduate Council. If a thesis is elected, B.E. 680 will not be taken. (See the Graduate Bulletin for details).
CHEMISTRY

Dr. Chappell, Head of the Department

CHEMISTRY 101. General Chemistry. Nine single and four double periods a week (first four weeks); four credits.

A course in fundamental chemical principles based on modern concepts of matter.

CHEMISTRY 102. General Chemistry. Nine single and four double periods a week (second four weeks); four credits.

This course is a continuation of Chemistry 101.

CHEMISTRY 235. Organic Chemistry. Nine single and four double periods a week (first four weeks); four credits.

The chemistry of organic compounds is studied in the light of modern theories of their structure and behavior, with emphasis on spectroscopic and other modern methods of structure determination. The laboratory work comprises a study of the preparation and properties of typical compounds, as well as modern separation techniques, such as gas chromatography and thin-layer chromatography. Prerequisite: Chem. 101-102.

CHEMISTRY 236. Organic Chemistry. Nine single and four double periods a week (second four weeks); four credits.

This course is a continuation of Chemistry 235.
EDUCATION

Dr. Blair, Head of the Department


Consideration will be given to the use of manipulative, visual, and symbolic materials to give meaning to the number system, and to help the child to gain an understanding of number operations with whole numbers, fractions and decimals. The prospective teacher will consider what the pupil must learn, what the order of their learning must be, and what they must do to learn. Designed for students who are majoring in Elementary Education.

Education 359. Reading in the Elementary School. Daily; three credits.

This is a basic course in the teaching of reading in the elementary school. The materials and procedures which are used in the modern school system are studied. Attention is given to teacher-made materials for use in the reading program. Testing for readiness and achievement in reading is emphasized.


This course deals with problems that must be solved in the evolution of the curriculum in the public schools, the choices of principles and procedures for selecting the potential experiences comprising the instructional program, the selection of a pattern of curriculum organization, and the determination of principles and procedures by which changes in the curriculum can be made, evaluated and sustained. Prerequisite: Psy 233-234 or equivalent.


This course is planned for those students preparing to teach in the elementary school. This is an integrated methods course designed to meet the developmental needs of children in the various subject fields included in the elementary school curriculum. Prerequisite: Ed. 360 or equivalent.


This course is planned for students preparing to teach in the secondary school. This is an integrated methods course designed to familiarize students with a variety of methods, to develop practical
details of these methods, to acquaint students with a variety of materials and their uses, and to develop concepts leading to an understanding of the needs of high school students in our society and the role of the teacher in the total school program. **Prerequisite:** Ed. 360 or equivalent.

**EDUCATION 400. Speech Correction.** Daily; three credits.

An introduction to the field of speech correction. Consideration is given to the problems of diagnosis and corrective therapy in clinical and classroom situations. Observation and participation in activities at the Speech and Hearing Clinic.

**EDUCATION 410. Characteristics of Mentally Retarded Children.** Daily; three credits.

This course deals with a comprehensive overview of the field of mental retardation. The causes and prevention of mental deficiency; the characteristics of the mentally retarded; the techniques for identification; and the responsibility of the home, school, and community in the care and training of the mentally defective are among the topics studied.

**EDUCATION 470. History and Philosophy of Educational Thought.** Daily; three credits.

This course is planned to help the prospective teacher secure a foundation for building a philosophy of education for himself by developing a working knowledge of the language of educational philosophy; by comparing contemporary views on education; by becoming acquainted with the main currents of educational thought over the last twenty-five hundred years, to the end of understanding better the nature and place of education in American culture today. **Prerequisite:** Ed. 360 or equivalent.

**EDUCATION 480B. Directed Teaching.** Six credits.

This course gives experience in teaching under public school conditions with emphasis on the use of the Virginia curriculum. Two group conferences will be arranged each week. Advance registration is necessary. Write Mr. Robert H. Horn, Director of Laboratory School Experiences.

Students needing three semester hours of credit may register for Ed. 480A.

**EDUCATION 495s. Teaching Problems.** Daily; three or six credits.

This course is planned to help mature teachers on problems chosen for study, using educational literature and practical research.
It serves two purposes: (1) Work on any teaching problem of elementary or secondary level which is individually chosen and approved by the instructor; (2) Substitute for Ed. 480 or Ed. 480A in cases of mature teachers who choose this experience and whose applications must be made in advance to the Assistant Dean of the College.

Three credits in four weeks or six credits in eight weeks. Two hours of class meeting weekly and laboratory hours as needed.

**Education 501. Seminar in Educational Television.** Two hours daily; (second four weeks); three credits.

This workshop-type experience will explore the role of television and the implications of this medium for education.

**Education 502. The Elementary School Reading Program.** Two hours daily; (first four weeks); three credits.

The total elementary school reading program will be examined including basal reading, remedial reading, recreational reading and reading in the subject-matter fields. Various approaches to these four areas such as the basal reader approach, the individualized approach, and the linguistic approach will be studied.

**Education 507. Diagnostic and Remedial Techniques in Reading.** One hour daily; three credits.

In this course various types of reading difficulty will be studied. The major emphasis will be upon diagnosis and remediation. Everyone will be expected to diagnose several subjects who are having difficulty in reading and write reports of their findings with recommendations for therapy.

**Education 508. Education of Mentally Retarded Children.** One hour daily; three credits.

This course deals with the organization of instruction for the trainable and educable mentally retarded and slow learner. Major emphasis will be on curriculum adjustment, specialized methods, and evaluation.

**Education 512. Secondary School Curriculum and Co-Curriculum.** One hour daily; three credits.

The principles and forms of curriculum organization, with appraisal of such curricula patterns as the subject-matter curriculum, the correlated, fused, core and experience curriculum are included in this
course. Also considered are the techniques for reorganizing the cur-
riculum; leadership in curriculum development, and participation of
teachers in curriculum improvement.

Education 514. Seminar in Special Education. One hour daily;
three credits.

This course will include the analysis and evaluation of current
research with its application to the field of special education. The
study and evaluation of educational and sociological problems associ-
ated with exceptional children will be included.

Education 612. Methods and Materials in Early Childhood
Education. Two hours daily; (first four weeks);
three credits.

Research in child development as it is related to facility planning
and administration of kindergarten and nursery school programs.
Evaluation of the research and methodology in terms of principles of
child development.

Education 614. Practicum in Early Childhood Education. Two hours
daily; (second four weeks); three credits.

Supervised experience in a teaching relationship with pre-school
children and their parents. The preparation of observational records
and social histories as a basis for planning and executing creative
learning activities for children. A minimum of four hours per week
in classroom involvement are required in addition to seminar meet-
ings. Prerequisite: Ed. 612, 616 or equivalent.

Education 616. Teaching the Young Child. One hour daily;
three credits.

Analysis of the methods of teaching the three to five year old
child; the role of the teacher in early childhood education, her philoso-
phy and objectives. Emphasis on perceptual development of the child,
his concept formation and symbolization, as well as interpreting and
guiding his behavior.

Education 630. Research Methods in Education. One hour daily;
three credits.

This course is designed to develop those skills, insights, and under-
standings which will enable the student to become both an intelligent
consumer and an intelligent producer of educational research.
**EDUCATION 640. The Fundamentals of Educational Administration.** One hour daily; three credits.

This course deals with such topics as federal, state and local authority and control of education; financial support for public education; problems related to the administration and supervision of pupil personnel, teaching personnel, and of the instructional program.

**EDUCATION 650. Supervision of Instruction.** One hour daily; three credits.

In this course supervision is viewed as educational leadership in the improvement of instruction. The implications of research on the nature and scope of supervision are reviewed; current views on co-operative planning of supervisory programs are analyzed; and the improvement of supervisory techniques studied.

**EDUCATION 660. Practicum in Diagnostic and Remedial Techniques in Reading.** One hour daily; three credits.

This course will be a logical continuation of Education 507. Each student will be assigned several subjects to diagnose, and for whom he is to plan and carry out a corrective program of reading therapy. (This course was offered formerly as Education 530)

**EARLY APPLICATION**

Activities planned for several courses require that enrollments be limited. The courses which will require limited enrollment are: Education 614, Practicum in Early Childhood Education; Education 660, Practicum in Diagnostic and Remedial Techniques in Reading; and Education 501, Seminar in Educational Television. Students who wish to be enrolled in the above courses should send letters of application to Dr. Charles W. Blair before May 15, 1968. The priority of application will be a major criterion in the selection of applicants. In addition, a formal application for admission to the Summer Session must be filed in the Office of the Assistant Dean of the College.
ENGLISH LANGUAGE AND LITERATURE

Dr. J. Poindexter, Head of the Department

ENGLISH 101. Reading and Composition. Daily; three credits.

Reviews the principles of grammar and usage in oral and written English, directs reading and analysis of selected examples of prose and poetry, and requires frequent compositions with attention to logical relation and arrangement of ideas, and to readability and interest.

ENGLISH 102. Reading and Composition. Daily; three credits.

Description above.

ENGLISH 233. Introduction to Literature. Daily; three credits.

An introduction to the study and appreciation of literature through a limited number of carefully selected examples of fiction.

ENGLISH 234. Introduction to Literature. Daily; three credits.

An introduction to the study and appreciation of literature through a limited number of carefully selected poems and dramas.

ENGLISH 236. Survey of English Literature. Daily; three credits.

A survey with readings, lectures, discussions and reports, presented chronologically from the middle of the eighteenth century to modern times.

ENGLISH 240. Mythology. Four hours a week; two credits.

An examination of classical mythology and traditional myths in relation to English and American literature.


A survey, presented historically and critically, extending from the middle of the nineteenth century through Hemingway and Faulkner.

ENGLISH 350. Victorian Literature. Daily; three credits.

A conspectus of life during the Victorian Age in England as revealed through its literature, omitting the novel.

Advanced studies in current English grammar required of students preparing to teach English and suggested for others who need additional work in grammar.


The major prose and poetical works of John Milton are studied in the context of his times, with special emphasis on *Paradise Lost*.

ENGLISH 501. *Growth and Structure of the English Language*. Daily; three credits.

An introduction to the history of the English language with attention to the changing forms of speech as reflected in morphology, phonology, syntax, and semantics. Reading and Research in special phases of historical and descriptive grammar.

ENGLISH 520. *The Practice of Literary Criticism*. (First four weeks; ) three credits.

The history and theories of literary criticism are given brief attention. The major emphasis of the course, however, is upon critical examination and analysis, both oral and written, of representative poems, short stories, and dramas. Students are given ample opportunity to practice literary criticism.


A study of the representative plays of modern and contemporary dramatists, beginning with Ibsen, Shaw and O'Neill. Wide reading in the works of the chief contemporary dramatists will be required.


A study of selected plays by Shakespeare. The choice of plays will vary in different years.


Poetry and fiction of the most significant contemporary authors will be examined. Choice of authors studied will vary in different years.

A study of romanticism in the work of the precursors, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. The choice of authors to be studied may vary in different years.

ENGLISH 680. Reading and Research. Three credits.

Opportunity is given the individual student for supervised reading and research in the literature of his special interest. Reading and Research may be done only in the major field of study.


A thesis in the major field of interest and completed to the satisfaction of the student's adviser and the Graduate Council may be submitted in partial fulfillment of the requirements for the Master's degree. Students who elect to write a thesis are required to complete twenty-four semester hours in course work. (See Graduate Bulletin for details.)

PHILOSOPHY

PHILOSOPHY 240. Introduction to Philosophy. Daily; three credits.

This course seeks to acquaint students with both the history and the characteristic problems of philosophical inquiry. Special attention is given to the nature of philosophical statements as such, in their historical origin, and to the nature of the questions they seek to answer. Important concepts in the development of Western thought are examined in their bearing on ethics, religion, science, and art.


An examination of the most important philosophical tendencies since the Enlightenment, with special emphasis upon logical analysis and existentialism in the twentieth century. Prerequisite: Phil. 240 or permission of the instructor.
FOREIGN LANGUAGES

DR. RAUCH, Head of the Department

FRENCH

FRENCH 101. Elementary French. Two periods daily and five laboratory practices per week; (first four weeks); three credits.

A study of the fundamentals of the French language through written and oral grammar drills, conversation, reading, dictation and composition. Extensive practice in pronunciation, dictation and development of aural comprehension through five half-hour sessions a week in the language laboratory.

FRENCH 102. Elementary French. Two periods daily and five laboratory practices per week; (second four weeks); three credits. Description above.

FRENCH 231. Intermediate French. Two periods daily; (first four weeks); three credits.

A thorough grammar review, dictation, simple composition and conversation. Prerequisite: Fr. 101-102 or two years of high school French; or one year of college French.

FRENCH 232. Intermediate French. Two periods daily; (second four weeks); three credits.

Progressive readings on French Civilization and Modern French Literature; outside readings. Prerequisite: Fr. 231.

FRENCH 250. Conversation and Advanced Composition. Daily; three credits.

Intensive training in the use and comprehension of modern everyday French with emphasis upon conversation and composition to give the student confidence in expressing himself in simple idiomatic French. Prerequisite: 231-232 or four years of high-school French.

GERMAN

GERMAN 231. Intermediate German. Two periods daily; (first four weeks); three credits.

Review of basic grammar. Readings, written exercises, and conversation. Practice in pronunciation and comprehension will be done in the language laboratory. Prerequisite: Ger. 101-102 or two years of high-school German or its equivalent.
GE<watch>RM 232. Intermediate German. Two periods daily; (second four weeks); three credits.

Brief survey of German literature and civilization. Conversation and short topic compositions; outside readings. Prerequisite: Ger. 231.

SPANISH

SPANISH 231. Intermediate Spanish. Two periods daily; (first four weeks); three credits.

A thorough grammar review, dictation, simple composition and conversation. Prerequisite: Sp. 101-102 or two years of high-school Spanish; or one year of college Spanish.

SPANISH 232. Intermediate Spanish. Two periods daily; (second four weeks); three credits.

Progressive readings on Civilization and Modern Spanish Literature; outside readings. Prerequisite: Sp. 231.

SPANISH 250. Spanish Conversation and Composition. Daily; three credits.

Intensive training in the use and comprehension of modern everyday Spanish. Original compositions and parallel readings will be discussed entirely in Spanish. Prerequisite: Sp. 231-232 or four years of high-school Spanish.

DEPARTMENTAL COURSE

FOREIGN LANGUAGE 350. Teaching of Foreign Languages. Daily; three credits.

Prospective modern foreign language and Latin teachers will become acquainted with the materials (records, tapes, books, films, etc.) available in the field. Problems in the teaching and administration of foreign language programs on the elementary and secondary level will be analyzed. Techniques in the use of a foreign language laboratory, audio-visual aids, selection of textbooks, the application of linguistics, and cultural instruction will be discussed. Observations and instructional films. This course is not part of the major-minor requirements, though strongly recommended.
GEOLOGY

MR. HARNSBERGER, Head of the Department

GEOLOGY 110. Physical Geology. Four double and one single period a week; four credits.

An introduction to the various agencies and processes at work upon and within the earth and their effects. The composition and structure of the earth.

GEOLOGY 120. Historical Geology. Four double and one single period a week; four credits.

An introduction to a history of the earth from its origin to the present. Physical events and the evolution of life are emphasized through a study of fossils.
HISTORY

DR. DINGLEDINE, Head of the Department

History 233. United States History to 1865. Daily; three credits.

A survey of United States history from its colonial beginnings through the Civil War. Interpretation and analysis are stressed.

History 234. United States History Since 1865. Daily; three credits.

A survey of United States history from the Civil War to the present. Interpretation and analysis are stressed.

History 255. History of Civilization to 1650. Daily; three credits.

A survey of important historical developments from prehistoric times to the mid-seventeenth century. Emphasis is given to the rise and decline of great civilizations and to their lasting contributions to mankind.

History 256. History of Civilization Since 1650. Daily; three credits.

A survey of important historical developments from the mid-seventeenth century to the present. Emphasis is given to the growth of nationalism, the development of colonialism, and to the events, problems, and conflicts of the present century.


An interpretive survey of the history of Virginia from its colonial beginnings to the present time.

History 363. History of Africa. Daily; three credits.

This course emphasizes the social and cultural aspects as well as the emerging role the continent plays in contemporary world history.


An introduction to the history of India, China, Japan, Korea, and Southeast Asia during the past century. Emphasis is placed upon the impact of Western Civilization upon the area and the consequent internal political, economic, and intellectual changes.

History 531. United States History Since 1917. Daily; three credits.

An interpretive study of the history of the United States since World War I with emphasis on political, economic, intellectual, and social history. (Open to upper division undergraduates)

A survey of Medieval Civilization from its foundations in the fourth century to its peak of development in the twelfth and thirteenth centuries. Emphasis will be placed on the Greco-Roman, Christian, and German bases of Medieval Culture and on the development of representative political institutions in Western Europe. (Open to upper division undergraduates)

History 624. Colonial America. Daily; three credits.

An interpretative study of the colonial period of American history to 1763. Special attention is given to social and cultural life, the imperial system, and the political heritage of colonial America.

History 640. Europe in the Era of World War II. Daily; three credits.

A study of the Second World War with emphasis on its origin and aftermath. Attention will be given to such topics as the rise of the totalitarian state, interwar diplomacy, the conduct of the war, and the advent of the Cold War.
HOME ECONOMICS

Dr. Rowe, Head of the Department

HOME ECONOMICS 270. Management in Relation to Personal and Family Resources. Daily; (first four weeks); two credits.

A study of the concepts and functions of home management, the concerns, goals and values reflected in the way resources are used.

HOME ECONOMICS 330. Family Relations; three credits.

A study of the relations in modern family living with emphasis on dating, courtship, marriage, marital adjustment, and intergeneration relations.

HOME ECONOMICS 370. Personal and Family Finances. Daily; (second four weeks); two credits.

Financial managerial problems of the individual and family. Emphasis on financial planning, factors influencing use of money, how individuals and families try to achieve security against economic risks; use of credit and inter-relationship of money and other resources.


Democratic principles in family living constitute the basis upon which the home management experience is planned. The areas of responsibility are rotated to give each family member experience in all phases of homemaking with emphasis upon management of time, energy, and resources. Each student participates in the care and development of children in a family. A scholarship index of 2.00 is required for residence. Prerequisites: H.E. 133, 140, 180, 254, 300, 320 or equivalent.

HOME ECONOMICS 520. World Nutrition Needs and Food Resources. Daily; (second four weeks); three credits.

The major world nutrition problems of today are analyzed. Identifying causative factors and investigating corrective measures are an integral part of the course.
LIBRARY SCIENCE

Mr. Palmer, Head of the Department

Library Science 240. Children's Literature. Daily; three credits.

Principles and aids to help teachers and librarians become familiar with the literature available for children. Emphasis is placed upon wide acquaintance with the books to be used by the children. Some attention will be given to the history of children's literature, to general information books, to sources of reference materials, and to magazines for children.


The purpose of this course is to introduce students to the wealth of printed materials available for young people. Students will examine and read extensively among the books that have been written for young people in order to learn how to select and use the best reading material. A project in a subject and grade level of greatest interest to the student may be undertaken as a part of the course.


Acquisition and preparation of books and other materials for use. Methods of ordering, simplified cataloging, the mechanical preparation of materials, and circulation systems are considered.


The functions, organization, planning, equipment, and management of the school library. Methods of teaching the use of books and libraries will also be considered.

Library Science 370. Audio-Visual Materials. Daily, laboratory hours to be arranged; three credits.

Attention is given to (1) the role of auditory and visual aids in the achievement of educational objectives, (2) principles of selection and evaluation of audio-visual materials, (3) techniques for using audio-visual materials in the classroom, and (4) the operation of equipment.

Library Science 477. Reference and Bibliography. Daily; three credits.

A study of encyclopedias, dictionaries, yearbooks, periodical indexes, and reference books in various subject fields. Attention is given to the technique of reference work.
Library Science 478. Cataloging. Daily; Laboratory hours as arranged; three credits.

The principles and methods of the preparation of books for use in small libraries. Students will classify and catalog under supervision. Ability to use a typewriter is important. Prerequisite: L. S. 365.

Three credits.

This course provides an opportunity for intensive study of a specific topic in school librarianship. Each student will work individually on a project of his own choice. Prerequisite: Twenty-four semester hours of library science or approval of the head of the department.
MATHEMATICS

Dr. Ikenberry, Head of the Department


A development of basic concepts of elementary mathematics including sets, logic, and binary operations; the natural numbers and their properties; deductive reasoning and the nature of proof.


A continuation of Mathematics 107 including a study of the integers, rational numbers, real numbers and their properties, relations, functions and graphs.

Mathematics 125. Introduction to College Mathematics. Daily; three credits.

A modern treatment of the following topics: the nature of abstract reasoning and mathematical proof, set theory, the axiomatic structure of real numbers, and the usual topics of college algebra.

Mathematics 126. Introduction to College Mathematics. Daily; three credits.

A study of functions and relations, algebraic functions, and the usual topics of trigonometry.

Mathematics 207. Basic Concepts of Algebra. Four periods a week; (first four weeks); three periods a week; (second four weeks); two credits.

Basic ideas and structure of algebra including equations, inequalities, positive and negative numbers, absolute value, graphing of truth sets of equations and inequalities, and examples of other algebraic systems including finite ones. (Required for Elementary Education majors—may not be used to satisfy other Mathematics requirements)

Mathematics 208. Intuitive Foundations of Geometry. Four periods a week; (first four weeks); three periods a week; (second four weeks); two credits.

A study of space, plane, and line as sets of points, considering separation properties and simple closed curves; the triangle, rectangle,
circle, sphere, and the other figures in the plane and space considered as sets of points with their properties developed intuitively; the concepts of deduction and the beginning of deductive theory; concepts of measurement in the plane and space, angle measurement, measurement of the circle, volumes of solids; coordinate geometry. (Required for Elementary Education majors—may not be used to satisfy other Mathematics requirements)

Mathematics 210. Digital Computer Programming. Two periods a week; one credit.

Digital computer development, flow charting, programming and solving of selected problems using Fortran IV language. Programs written by students will be processed on the IBM 1130 Computer on campus. Prerequisite: Math. 125-126 or equivalent.

An introduction to the theory of groups, rings, integral domain, and fields.

This course is a study of sources and growth of mathematical ideas and principles from earliest times to the present, with emphasis on the influence of mathematics on the development of civilization.

Error analysis, interpolating functions, roots of equations by successive approximations, iterative methods for solving simultaneous linear equations, and programming. Laboratory work will consist of Fortran programming with application to the IBM 1130 Computer on campus. Prerequisite Math. 385 or consent of the instructor.

Mathematics 635. Topology I. Daily; three credits.
Introduction to general and point set topology.

Mathematics 660. Complex Variables I. Daily; three credits.
Classical theory of functions of a complex variable. Prerequisite or corequisite: Mathematics 510 or equivalent.
MUSIC

DR. OHLSSON, Head of the Department

MUSIC THEORY AND LITERATURE


An introductory course having as its aim the broadening of one's understanding of music through thoughtful listening. Music of the various styles and periods will be discussed and illustrated through lectures and recordings. This course is nontechnical and is required of students in all programs.

Music 541. Modern Harmony and Composition. Daily; three credits.

A study of the harmonic, contrapuntal and other stylistic devices of the twentieth-century composer and their application in creative writing by the student who wishes to acquire a technique in the contemporary idiom.

Composition in both small and larger forms depending upon the talent and background of the student. This course is not only for the talented composition student but also for the teacher and performer who desires an increased understanding of our contemporary music.


A thesis in the major field of interest and completed to the satisfaction of the student's adviser and the Graduate Council may be submitted in partial fulfillment of the requirements for the Master's degree. Students who elect to write a thesis are required to complete twenty-four semester hours in course work (See the Graduate Bulletin for details.)

MUSIC EDUCATION


Teachers who attend the music workshop and camp and who devote a minimum of 30 hours to classes, study, and observation may earn one semester hour of credit at Madison College. Registration for this credit will be held at Massanetta Springs at 4:00 P.M., on Tuesday,
June 18, in a room to be announced at the opening of Camp. Registration fee: $10.00

**Music Education 375. Music for Children.** Four lecture and two laboratory periods a week; three credits.

A study of desirable musical experiences in the elementary school and of materials and procedures to further these experiences. Attention will be given to needs of individuals in the class.

**Music Education 501. Choral Materials and Techniques:** Daily; three credits.

A study of the problems, materials, and techniques of teaching choral music in the high school. Laboratory experiences will be provided at the Virginia Music Camp at Massanetta Springs.

**Music Education 611. The Supervision and Administration of Music.** Daily; three credits.

The supervision of teachers of music; administrative responsibilities of music teachers and supervisors. The role of the supervisor of music in the schools.

**Applied Music**

Nine hours of credit in applied music—piano, voice, organ, and an orchestral instrument—may be offered for the B.S. and B.A. degrees. Twenty-four hours may be offered toward the B.M.Ed. degree. Music teachers will be given help in the selection of modern materials and in procedures for teaching.

Four semester hours of credit in applied music—piano, voice, organ, and an orchestral instrument—may be offered toward the Master’s degree. Graduate students will be encouraged to study applied music, and work will be suited to their individual needs.

Two half-hour lessons a week for eight weeks; one credit.

**Piano** 115-116; 215-216; 315-316; 415-416; 511, 512, 513, 514. One credit.

The work in piano is suited to the needs of the individual with special attention given to the fundamentals of correct technique. Every effort is made to acquaint the student with the best in piano literature and to promote an appreciation for piano music in general.

**Voice** 115-116; 215-216; 315-316; 415-416; 511, 512, 513, 514. One credit.

Special attention is given to breath control, voice building, diction, and interpretation. Instruction is suited to the needs of the individual.
ORGAN 115-116; 215-216; 315-316; 415-416; 511, 512, 513, 514. One credit.

Emphasis is given to development of playing skills, knowledge of registration, and repertory.

ORCHESTRAL INSTRUMENTS 115-116; 215-216; 315-316; 415-416; 511, 512, 513, 514. One credit.

Students may register for instruction on any of the string, brass or woodwind instruments or in percussions. Emphasis is given to correct breathing, development of embouchure, different types of tonguing, transposition, and studies including the phases of techniques needed by each individual student.

CHORUS 109, 209, 309, 409. Four periods a week; one credit.

The chorus is open to both men and women students. Experience will be given in singing various types of choral music. Procedures and materials for school choral groups will be studied and discussed. Conducting will be included for those who need this experience. The chorus will serve as a college choir when needed.

FEES FOR APPLIED MUSIC

For individual lessons in music—voice, piano, organ, or orchestral instruments—the tuition will be as follows:

<table>
<thead>
<tr>
<th>Instruction in</th>
<th>Practice Charge</th>
<th>Total Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice, Piano</td>
<td>$5.00</td>
<td>$35.00</td>
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<tr>
<td>Orchestral Instruments</td>
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<tr>
<td></td>
<td>$1.90 per lesson</td>
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<tr>
<td>16 lessons per session</td>
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<tr>
<td>1 to 8 lessons per session</td>
<td>$1.90 per lesson</td>
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<table>
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<tr>
<th>Instruction in Organ</th>
<th>Practice Charge</th>
<th>Total Charge</th>
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</thead>
<tbody>
<tr>
<td>16 lessons per session</td>
<td>$10.00</td>
<td>$40.00</td>
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<tr>
<td>1 to 8 lessons per session</td>
<td>.60 per lesson</td>
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<tr>
<th>Instruction in Organ</th>
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<td>.60 per lesson</td>
<td>2.50</td>
</tr>
</tbody>
</table>

The number of lessons each student wishes to take will be arranged with instructors at the time of registration. Credit for private lessons is given only when enough lessons are taken to equal one full credit of work which is 16 half-hour lessons with a minimum of 75 hours of practice for the session.

A registration fee of $7.50 is charged music students who take only courses given as private or individual instruction, if they desire and are qualified for college credit for such course or courses.
PHYSICAL AND HEALTH EDUCATION

Dr. Crawford, Head of the Department

Physical Education 140. *Elementary Dance.* Daily; one credit.

An introductory course which includes movement fundamentals, elementary folk dance and an introduction to modern dance technique and composition.

Physical Education 160. *Elementary Swimming.* Daily; one credit.

The course includes swimming strokes, personal safety and rescue skills, and diving.

Physical Education 225. *Tennis, Intermediate Tennis.* Daily; one credit.


Physical Education 264. *Lifesaving.* Four periods a week; (first four weeks); three periods a week; (second four weeks); one credit.

The Senior Life Saving Course of the American Red Cross. (Open to all students subject to instructor's approval)

Physical Education 370. *Physical Education for Children.* Four periods a week; (first four weeks); three periods a week; (second four weeks); two credits.

A survey of the activity needs of children, and the selection, organization, presentation and evaluation of activities appropriate in meeting these needs. *Prerequisite: Psy. 233-234 or equivalent.*

Physical Education 370X. *Physical Education for Children.* Two hours per week to be arranged; one credit.

An additional credit required of Minors in Physical and Health Education. Emphasis is placed on administrative responsibilities. Other students, with approval, may elect to take this course in conjunction with P.E. 370.

Physical Education 383. *Kinesiology.* Three single periods and two double periods a week; three credits.

The science of human movement involving principles of mechanics, psychology and physiology; the application of the knowledge of anatomy in improving performance. *Prerequisite: Bio. 290-270.*
Health 200. **Personal and Community Health.** Four periods a week; (first four weeks); three periods a week; (second four weeks); two credits.

A study of selected factors which relate and contribute to healthful living, including the activities of the community health program. **Prerequisite:** Bio. 110.

Health 203. **Safety and First Aid.** Daily; three credits.

Standard and Advanced First Aid Courses and materials and methods of instruction in various phases of safety education. Students who complete the course successfully will be certified by the Red Cross in First Aid.

Health 304. **Traffic and Driver Safety.** Daily; three credits. (Laboratory work to be assigned in afternoon).

Problems of traffic and driver safety as they exist in our present society. Upon successful completion of this course and Health 203, students may secure an endorsement for Driver Education from the State Board of Education after graduation. Operator's license issued by the Commonwealth of Virginia is required.

Health 550. **Recent Developments in Health.** Two hours daily; (first four weeks); three credits.

A study of recent developments and trends in medical and paramedical programs, including such topics as cancer, environmental health, and heredity.

Physical Education 520. **Advanced Coaching.** Two hours daily; (second four weeks); three credits.

Principles, techniques, and procedures basic to the coaching of all sports; coaching techniques in specific individual and team sports are emphasized.

Physical Education 510. **Principles of Motor Learning.** One hour daily; three credits.

Principles and theories of learning motor skills, and their applications in teaching and coaching physical education activities.

Physical Education 620. **Administration of Physical and Health Education.** One hour daily; three credits.

This course deals with personnel, facilities, equipment, use of time and space, and financial matters. Both the instructional and non-instructional phases of the physical and health educational programs are included.
PHYSICS

DR. WELLS, Head of the Department

PHYSICS 121. *General Physics*. Ten single and five double periods a week; (first four weeks); four credits.

This course is recommended for all students planning to pursue a scientific career and for other students who desire to make physics their science elective. Mechanics, heat, sound, electricity, light, and modern physics are studied. Many problems are illustrated and additional problems are assigned. Approximately 25 per cent of class time is devoted to laboratory work.

PHYSICS 122. *General Physics*. Ten single and five double periods a week; (second four weeks); four credits.

This course is a continuation of Physics 121.
PSYCHOLOGY

DR. JOHN P. MUNDY, Head of the Department

PSYCHOLOGY 100N. Psychology for Students of Nursing. Daily; three credits.

The physical basis of mental life, the endocrine glands, the motivation of behavior, socialization, adjustment to life, personality development, psychosomatic illness, psychoneuroses, psychoses, learning and re-education. (Open only to student nurses of the Rockingham Memorial Hospital)

PSYCHOLOGY 231. General Psychology. Daily; three credits.

An introductory course designed to acquaint students with the field of Psychology as a scientific discipline concerned with the study of behavior. Consideration will be given to such topics as human development, motivation, emotion, perception, learning, personality, intelligence, measurement and applied areas. This course is recommended for Psychology Majors.

PSYCHOLOGY 232. General Psychology. Daily; three credits.

An introductory course designed to acquaint students with the field of Psychology as a scientific discipline concerned with the study of behavior. Consideration will be given to such topics as human development, motivation, emotion, perception, learning, personality, intelligence, measurement and applied areas. This course is recommended for Psychology Majors. Prerequisite: Psy. 231 or equivalent.

PSYCHOLOGY 233. Human Growth and Development. Daily; three credits.

This course is designed to develop an understanding of the principles and theories of human growth and development and to create an awareness of the factors which influence human behavior. Case studies, and observations of children are integral aspects of this course. This course is specifically designed to meet the Virginia certification requirements in the area of human growth and development.

PSYCHOLOGY 234. Human Growth and Development. Daily; three credits.

This course is designed to develop an understanding of the principles and theories of human growth and development and to create an awareness of the factors which influence human behavior. Case studies, and observations of children are integral aspects of this course. This course is specifically designed to meet the Virginia
certification requirements in the area of human growth and development. Prerequisite: Psy. 233 or equivalent.

**PSYCHOLOGY 240. Survey of Exceptional Children.** Daily; three credits.

This is a general survey course of the entire field of Special Education. Prerequisite: Psy. 231-232, or Psy 233-234 or equivalent.

**PSYCHOLOGY 357. Psychology of Personality.** Two hours Daily; (first four weeks); three credits.

This course deals with the development of human personality, particularly in the early stages. The implication of mental hygiene for the school child and for the teacher will be studied. Special emphasis will be placed on the interplay of heredity and the various forces of environment and of society on the development of the integrated personality. Personality tests will be given and class and individual discussions of personality problems will be included. Prerequisite: Psy. 231-232, or Psy. 233-234 or equivalent.

**PSYCHOLOGY 369. Psychology of Early Childhood.** Daily; three credits.

Techniques of guiding young children based on an understanding of the preschool child are explored in this course. The philosophy of early childhood education is analyzed and basic principles and practices are examined. Prerequisite: Psy. 231-232, or Psy. 233-234 or equivalent.

**PSYCHOLOGY 479. Psychology of Learning.** Daily; three credits.

Examination of the basic principles of learning and conditioning. Consideration will be given to such topics as extinction reinforcement, generalization, discrimination, transfer, concept formation, and verbal learning. Some emphasis on theories and special theoretical problems. Prerequisite: Psy. 231-232, or Psy. 233-234 or equivalent.

**PSYCHOLOGY 488. Mental Tests and Measurements.** Daily; three credits.

This course deals with the procedures and use of a testing program. Mental, personality, achievement, and aptitude testing is included. Students score and interpret test results. Statistical procedures necessary to interpret scores are studied. Prerequisite: Psy. 231-232, or Psy. 233-234 or equivalent.

**PSYCHOLOGY 648. Research in Human Development.** Daily; three credits.

This course deals with the principles basic to an understanding of the growth and development of human beings. The dynamics influencing behavior are explored. Techniques for studying behavior are considered and case materials analyzed.
INTERDEPARTMENTAL SCIENCE COURSES

In addition to the course offerings of the various departments, the Division of the Natural Sciences offers the following courses which are interdepartmental in content and staff:

**PHYSICAL SCIENCE 110. General Physical Science.** Five single and two double periods a week; four credits.

A course designed to help students gain a better understanding and appreciation of their physical environment. Emphasis will be given to the background and development of some of the important concepts and ideas in the fields of astronomy, chemistry, geology, and physics. Related laboratory work is included.

**SCIENCE 310. Science in the Elementary School.** Two single and three double periods a week; four credits.

A science course which deals with the methods, materials, and literature of biological and physical science in the elementary school. The laboratory work consists of activities selected jointly by the students and the instructors on the basis of value for elementary school teaching.

**PHYSICAL SCIENCE 510. Earth Science.** Four single periods and one double period a week; three credits.

A course designed to familiarize the graduate student with the basic aspects of most branches of geology. Emphasis is upon materials and structure of the earth and how rock units are shaped into their scenic expression.

**SCIENCE 512. Natural Resources Conservation.** Three hours daily in the morning with field trips in the afternoon; three credits.

The following areas of conservation will be investigated: Mineral resources, marine life, soil and water conservation, forestry and wildlife management.

This three-week course in conservation beginning June 17 and ending July 5 is for Virginia school teachers and other interested individuals. It is sponsored by the Virginia Resource-Use Education Council in cooperation with the Division of the Natural Sciences of Madison College.

A limited number of scholarships to cover tuition, meals, and lodging will be available to Virginia school teachers from funds provided by several interested organizations. All Virginia school teachers are eligible to apply. Applications for these scholarships should be sent to the Virginia Resource-Use Education Council, P.O. Box 1642, Richmond, Virginia, 23213.
SOCIAL SCIENCE

Dr. Mace, Head of the Department

ECONOMICS

ECONOMICS 220. Survey of Economics. Daily; three credits.

A one semester course in Economics designed to meet the Virginia state requirements for the study of Economics by elementary education majors. Introduces the concepts and broad economics principles of national income, fiscal policy and monetary policy of the United States economy. Reviews the economic objectives and impact of labor unions and of competition and monopoly; examines economics of full employment policies and international trade policies. Also reviews the broad economics principles of supply, demand and price and the economy of the firm.


First semester of a two semester, six hour course of study, Economics 230 and Economics 235, the second semester course is prerequisite for all other Economics courses except Economics 220, Survey of Economics. The courses provide a study of the principles of the functioning of the economy, the operation of the forces of supply, demand and a study of economic distribution, public and private finance, national income, monetary policy, economic growth and development, monopolistic competition, welfare economics and the economics of international trade.


This course is designed to highlight the American free enterprise system. Students will participate in a four-day field trip to examine how our economic system operates at the production level. Lectures and demonstrations in the field will include visits to major representative industrial plants.

(This program is limited to fifteen students. On account of the field trip, a special non-refundable fee of thirty-five dollars ($35.00) must be paid in advance.)

ECONOMICS 530. Seminar in Economic Problems. Daily; (second four weeks); three credits.

Students participating in this seminar will examine the various contemporary economic problems, including agriculture, automation, labor management, fiscal international trade and other problems.
GEOGRAPHY

Geography 120. Introduction to Geography. Daily; three credits.

A study of the geography of the major cultural regions of the world, giving attention to important individual countries within each cultural region. Pertinent background material on systematic physical and cultural geography is presented at appropriate places in the course.

POLITICAL SCIENCE

Political Science 110. Introduction to Political Science. Daily; three credits.

Introduction to concepts, organization, and terminology of government. Basic introductory material for the study of political science, including national, state, and local government, international relations, comparative government, constitutional law, and political theory.

Political Science 610. Modern Political Theory. Daily; (second four weeks); three credits.

Examination of the contributions of political thinkers from Plato to the present with emphases on the more recent theorists. Individuals such as Machiavelli, Bodin, Hobbes, Rousseau, Burke, Hegel, and Marx will be among those considered.

SOCIOLOGY

Sociology 312. Social Pathology. Daily; (first four weeks); two credits.

This course will emphasize the various forms of withdrawal, such as suicide, alcoholism, drug addiction and similar contemporary problems.

Sociology 425. Crime in America. Daily; (first four weeks); two credits.

This course will survey the recent reports pertaining to crime and delinquent behavior with an emphasis on organized crime, gambling, vice and racketeering. Case studies will be presented.

Sociology 427. Juvenile Delinquency. Daily; (second four weeks); two credits.

A study of youth gangs, deviation and youth culture standards as well as the treatment used. Recent research reports will be emphasized.
Sociology 435. Race and Minority Relations. Daily; two credits.

This course is a detailed study of the background and development of the contemporary problems of minority groups in America. Primary emphasis will be placed on the Negro as a minority although nationality and religious minorities will also be included.

Sociology 468. Community Organization. Daily; (second four weeks); two credits.

Studies of rural and urban communities are used as a means of understanding social organization at the community level. Helpful for making effective use of human resources with the community.

Sociology 490. Special Studies in the Social Science. By arrangement; three credits.

Designed to give capable students in Sociology and Social Work an opportunity to do independent study under supervision. (Admission only by recommendation of the instructor and permission of the Head of the Department.)

Sociology 530. Negro in America. Daily; (first four weeks); three credits.

A survey of the history of the Negro in American Society which will provide a background for the examination and analysis of the present role and status of this minority group.
SPEECH AND DRAMA

Dr. Moulton, Head of the Department

**Speech 200. Oral Communication.** Four periods a week; (first four weeks); three periods a week; (second four weeks); two credits.

A basic course in speech, designed to enable the students to better express themselves in varied speech situations.

**Speech 320. Modern Drama.** Daily; three credits.

The development of drama from Ibsen to the present with emphasis on British, Continental, and American playwrights.

**Speech 360. Drama and Speech for Teachers.** Daily; three credits.

Training the prospective teacher in various types of Speech and Drama activities for which they might be responsible in the public school systems.
## SCHEDULE OF COURSES

**PERIOD 1—7:15-8:15**

<table>
<thead>
<tr>
<th>Department</th>
<th>Name of Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>*Art 150</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>*Art 200B</td>
<td>Art in General Culture (Studio)</td>
<td>3</td>
</tr>
<tr>
<td>*Art 310A</td>
<td>Art Activities in the Elementary School</td>
<td>3</td>
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<tr>
<td>*Bio 110A</td>
<td>General Biology</td>
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<td>*Bio. 110B</td>
<td>General Biology</td>
<td>4</td>
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<tr>
<td>*Bio. 110C</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>*Bio. 120</td>
<td>General Zoology</td>
<td>4</td>
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<tr>
<td>*Bio. 290N1</td>
<td>Human Anatomy RMH Only</td>
<td>4</td>
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<tr>
<td>*Bio. 610</td>
<td>Population Genetics</td>
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<td>Bus. 377</td>
<td>Federal Income Tax Accounting</td>
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<td>Bus. Ed. 620</td>
<td>Advanced Studies in the Skill Building Subjects</td>
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<td>*Chem. 101</td>
<td>General Chemistry</td>
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<td>*Chem. 102</td>
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<td>Ed. 358</td>
<td>Arithmetic in the Elementary School</td>
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<tr>
<td>Ed. 360A</td>
<td>Foundations of Curriculum</td>
<td>3</td>
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<tr>
<td>Ed. 370</td>
<td>Methods and Materials in Teaching in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>Ed. 410</td>
<td>Characteristics of Mentally Retarded Children</td>
<td>3</td>
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<td>*Ed. 502</td>
<td>The Elementary School Reading Program</td>
<td>3</td>
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<tr>
<td>Ed. 616</td>
<td>Teaching the Young Child</td>
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<tr>
<td>Ed. 650</td>
<td>Supervision of Instruction</td>
<td>3</td>
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<tr>
<td>Eng. 101A</td>
<td>Reading and Composition</td>
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<td>Eng. 101C</td>
<td>Reading and Composition</td>
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<td>Eng. 102C</td>
<td>Reading and Composition</td>
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<td>Eng. 233B</td>
<td>Introduction to Literature</td>
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<td>Eng. 234B</td>
<td>Introduction to Literature</td>
<td>3</td>
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<tr>
<td>Eng. 350</td>
<td>Victorian Literature</td>
<td>3</td>
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<td>*Fr. 231</td>
<td>Intermediate French</td>
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<td>*Fr. 232</td>
<td>Intermediate French</td>
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<td>*Geol. 110</td>
<td>Physical Geology</td>
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<td>Hth. 200A</td>
<td>Personal and Community Health</td>
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<td>Hist. 233A</td>
<td>United States History to 1865</td>
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<td>Hist. 350</td>
<td>Virginia History</td>
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<td>Hist. 624</td>
<td>Colonial America</td>
<td>3</td>
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<tr>
<td>L.S. 477</td>
<td>Reference and Bibliography</td>
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<td>Math 108A</td>
<td>Fundamentals of Mathematics</td>
<td>3</td>
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<tr>
<td>Math 208</td>
<td>Intuitive Foundations of Geometry</td>
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<td>Math 210</td>
<td>Digital Computer Programming</td>
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<tr>
<td>*Math 235</td>
<td>Analytic Geometry and Calculus</td>
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<tr>
<td>Math 365</td>
<td>Modern Algebra</td>
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<td>Math 660</td>
<td>Complex Variables I</td>
<td>3</td>
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<td>Mus. 200A</td>
<td>Music in General Culture</td>
<td>3</td>
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<td>Mus. 541</td>
<td>Modern Harmony and Composition</td>
<td>3</td>
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* Multiple period courses

** Laboratory hours by arrangement

¹ Registration by permission of Head of Department only
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FIRST FOUR WEEKS

Friday, July 12, 1968
1:00-3:30 P.M.—All Classes

EIGHT-WEEK SESSION

SECOND FOUR WEEKS

Thursday, August 8, 1968
7:15 A.M.- 9:45 A.M.—First Period Classes
10:00 A.M.-12:30 P.M.—Third Period Classes

Friday, August 9, 1968
7:15 A.M.- 9:45 A.M.—Second Period Classes
10:00 A.M.-12:30 P.M.—Fifth Period Classes

Saturday, August 10, 1968
7:15 A.M.- 9:45 A.M.—Fourth Period Classes
10:00 A.M.-12:30 P.M.—Sixth Period Classes
Statement of Student in Good Standing

This is to certify that ___________ ___________ ___________ has completed ___________ (session) (semester) (quarter) hours of ___________
work at ___________ located at ___________.

Name of College

and is a student in good standing.

Signature of Registrar  Date

This student has my approval to enroll in the following courses

The student will submit this to the registrar of the college last attended. The registrar will complete and sign the appropriate section and then mail it direct to the Assistant Dean of the College, Madison College, Harrisonburg, Virginia 22801.

Statement of Honorable Dismissal

This is to certify that ___________ ___________ ___________ was graduated from ___________ located at ___________.

Name of College

on ___________ with the degree of ___________.

Date

and is entitled to honorable dismissal.

Signature of Registrar  Date

The student will submit this to the registrar of the college last attended. The registrar will complete and sign the appropriate section and then mail it direct to the Assistant Dean of the College, Madison College, Harrisonburg, Virginia 22801.
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