University of Alabama in Huntsville

LOUIS

Course Schedules

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University of Alabama in Huntsville Spring Schedule 1965

University of Alabama in Huntsville

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### SPRING SCHEDULE - 1965

#### CALENDAR 1964-65

**Spring Quarter**
- **Registration**: Mar. 22 - 23
- **Classes Begin**: Mar. 24
- ** Deferred Examinations**: Mar. 27
- **Final Examinations**: June 2 - 8

**Summer Quarter**
- **Registration**: June 10 - 11
- **Classes Begin**: June 14
- **Deferred Examinations**: June 12
- **Final Examinations**: Aug. 23 - 27

#### Graduate Record Examination:
Applications to Graduate School for the Summer Quarter of 1965 and all terms thereafter must be supported by the Graduate Record Examination. This examination will be given at the Huntsville Campus on the following dates:
- **April 24 - 9:00 a.m.**
- **July 10 - 9:00 a.m.**

#### Placement Tests:
- **March 13 - 9:00 a.m.**

All students who have been admitted to the University of Alabama to take undergraduate credit courses and who do not have a previous college academic record which includes courses in English, chemistry, mathematics and French, must take a series of tests for proper placement in the listed subjects.

Such students may enroll for courses in other subjects which do not require placement tests. However, at the time such a student decides to take a course in one of the listed subjects, the series of placement tests will be required.

Arrangements to take placement tests should be made at the Office of Student Records, Room 108, Morton Hall.

#### Counseling:
Individual appointments will be scheduled for students who take placement tests, at which time the results of testing will be reported and interpreted, and students may be pre-registered. All other students are encouraged to request counseling appointments with faculty members as they are needed. Requests should be made through the Office of Student Records.

#### FURTHER INFORMATION
University of Alabama Catalogs should be consulted for Course Requirements in various fields of specialization. Information can be obtained by calling the Staff Offices by Telephone, 837-4700.

### Course Offerings

<table>
<thead>
<tr>
<th>COURSE TITLE - PREREQUISITE</th>
<th>SEM HRS</th>
<th>CREDIT</th>
<th>DAYS</th>
<th>PERIOD</th>
<th>LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Arts &amp; Sciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 11 Drawing I — None</td>
<td>3</td>
<td>T-T</td>
<td>6-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BY 1 General Biology (Plant) - None</td>
<td>4</td>
<td>M-W</td>
<td>IV</td>
<td>TTh 4-6</td>
<td></td>
</tr>
<tr>
<td>CH 1 Introductory Chemistry - Placement tests</td>
<td>4</td>
<td>T-T</td>
<td>III</td>
<td>W 1-5:30</td>
<td></td>
</tr>
<tr>
<td>CH 15 General and Analytical Chemistry — CH 11 or placement tests</td>
<td>5</td>
<td>M-W-F</td>
<td>VI</td>
<td>6-8:00</td>
<td></td>
</tr>
<tr>
<td>CH 146 HIGH-POLYMER CHEMISTRY—CH 135 or CH 231 and CH 141</td>
<td>2</td>
<td>M-W</td>
<td>VI</td>
<td>7:30-10:30</td>
<td></td>
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<tr>
<td>EH 03 Fundamentals of English—None</td>
<td>NC</td>
<td>M-W</td>
<td>V</td>
<td></td>
<td></td>
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<tr>
<td>EH 1 English Composition—Placement tests</td>
<td>3</td>
<td>M-W</td>
<td>III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH 2 English Composition—EH 1</td>
<td>3</td>
<td>T-T</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH 5 English Literature—EH 2</td>
<td>3</td>
<td>M-W</td>
<td>IIA</td>
<td></td>
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<tr>
<td>EH 6 English Literature—EH 5</td>
<td>3</td>
<td>M-W</td>
<td>III</td>
<td></td>
<td></td>
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<tr>
<td>EH 9 American Literature—EH 2</td>
<td>3</td>
<td>M-W</td>
<td>VI</td>
<td></td>
<td></td>
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<tr>
<td>EH 41 English Composition for Engineers — Placement tests or EH 1</td>
<td>3</td>
<td>T-T</td>
<td>V</td>
<td></td>
<td></td>
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<tr>
<td>EH 42 English Composition for Engineers—EH 41 or EH 1 with Grade of B</td>
<td>3</td>
<td>M-W</td>
<td>VI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH 51-52 Fiction Writing—Permission of Instructor</td>
<td>4</td>
<td>T-T</td>
<td>VI</td>
<td>(Extra sessions TBA)</td>
<td></td>
</tr>
<tr>
<td>EH 55 Materials of Composition—9 hrs. EH</td>
<td>3</td>
<td>M-W</td>
<td>VI</td>
<td></td>
<td></td>
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<tr>
<td>EH 104 American Novel—18 hrs. EH</td>
<td>3</td>
<td>T-T</td>
<td>VI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH 184 Technical English—EH 42 and Jr. standing (Engineering students only)</td>
<td>2</td>
<td>T-T</td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPY 63 Educational Psychology—PY 1</td>
<td>3</td>
<td>M-W</td>
<td>VI</td>
<td></td>
<td></td>
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<tr>
<td>ES 1 Fundamentals of Earth Science—None</td>
<td>4</td>
<td>M-W</td>
<td>IV</td>
<td>S 9-12</td>
<td></td>
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<tr>
<td>ES 2 Fundamentals of Earth Science—None</td>
<td>4</td>
<td>M-W</td>
<td>VI</td>
<td>S 9-12</td>
<td></td>
</tr>
<tr>
<td>FR 1 Elementary French—None (Not open to students who have had 2 yrs. high school FR)</td>
<td>3</td>
<td>T-T</td>
<td>V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COURSE | TITLE - PREREQUISITE | SEM HRS | CREDIT | DAYS | PERIOD | LAB
FR 2 | Elementary French—FR 1 | 3 | M-W | II
FR 3 | Intermediate French—FR 2 | 3 | T-T | II
FR 4 | Intermediate German—None | 3 | M-W | VI
FR 5 | French 2 | 3 | T-W | II
PY 1 | The U.S. to 1865—None | 3 | T-T | II


PSC 1 | Functions of American Government—PSC 1 | 3 | M-W | VI
PSC 2 | International Politics—Soph, standing or permission of instructor | 3 | T-T | II
PSC 21P | PUBLIC PERSONNEL ADMINISTRATION | 3 | M-W | VI
PSC 249 | PROBLEMS IN PUBLIC POLICY | 3 | M-W | VI


AC 1 | Principles of Accounting—None | 3 | M-W | VI
AC 2 | Principles of Accounting—AC 1 | 3 | M-W | VI
AC 3 | Accounting Analyts—AC 2 | 3 | M-W | VI
AC 107 | Income Tax Procedure—Permis of Cert. Instructor | 3 | M-W | VI


BL 31 | Introduction to Business Law—Jr. standing | 3 | T-T | V


BS 54 | Introduction to Business Statistics—MA 9 | 3 | T-T | V
EC 11 | Principles of Economics—None | 3 | M-W | V
EC 12 | Principles of Economics—EC 11 | 3 | T-T | V
FIN 51 | Money and Banking—EC 11, 12 or concurrent with EC 11 | 3 | T-T | V


AE 141 | Meteorology—Open to non-engineering students, permission of Instructor | 3 | M-W | V
AE 325* | ASTRODYNAMICS III—AE 160 and 225 | 3 | T-T | V
AE 355* | SELECTED TOPICS IN STRUCTURAL ANALYSES—AE 132, AE 352 | 3 | T-T | V


CH 100 | Economics of Process Industries—CHE 102 | 3 | T-T | V
CHE 180 | Introduction to Mechanical Engineering Industries—CHE 102 | 3 | T-T | V


DS 12 | Descriptive Geometry—DR 11 | 2 | M-W | V


EE 85 | Electric Circuits—PH 4, MA 21 | 2 | M-W | V
EE 11 | Electrostatics—PH 11, MA 21 | 2 | M-W | V


EE 355* | ADVANCED LINEAR CONTROL THEORY—EE 293 | 3 | T-T | V


GEO 77 | Nature and Properties of Materials—PH 11, MA 69 | 3 | T-T | V


GEO 211* | GRADUATE ENGINEERING ANALYSIS 1 | 3 | M-W | V
GEO 221* | GRADUATE ENGINEERING ANALYSIS 2 | 3 | T-T | V
GEO 231* | ADVANCED ENGINEERING ANALYSIS | 3 | M-W | V


IE 55 | Thermodynamics I—PH I, MA 51 | 3 | M-W | V
IE 60 | Heat Transfer—ME 20 | 3 | T-T | V
ME 183 | PRINCIPLES OF PROPULSION—ME 120 | 3 | T-T | V
ME 171 | MECHANICAL EQUIPMENT CONTROL | 3 | T-T | V
ME 207* | RADIATION HEAT TRANSFER | 3 | T-T | V
ME 295-296* | GRADUATE SEMINAR | 0-1 | T-T | V


ME 64 | Mechanics of Materials—MA 25, MA 51 | 4 | M-W | V
ME 80 | Fluid Mechanics—MA 36, MA 25 | 3 | T-T | V
ME 241* | SYSTEMS TECHNIQUES IN STRUCTURAL MECHANICS—MA 23, MA 51 | 3 | T-T | V
ME 251* | MECHANICAL CONTINUOUS MEDIA | 3 | M-W | V
ME 250* | ADVANCED VIBRATIONS—MA 35 | 3 | M-W | V
ME 252* | ADVANCED FLUID MECHANICS—MA 251 | 3 | T-T | V
ME 257* | THEORY OF SHELLS—MA 266 | 3 | M-W | V
ME 259* | THEORY OF VISCOELASTICITY—MA 266 | 3 | T-T | V
ME 379* | THEORY OF ELASTIC STABILITY—MA 251 | 3 | T-T | V
ME 330* | SELECTED TOPICS IN ADVANCED MECHANICS (See Brochure) | 3 | T-T | V
ME 395-396* | GRADUATE SEMINAR | 0-1 | T-T | V


ME 51 | Statics—MA 40, PH 5, Pre or parallel | 3 | T-T | V
ME 52 | Mechanics of Materials—MA 25, MA 51 | 4 | M-W | V


PH 251* | QUANTUM MECHANICS—20 hrs. PH and permission of instructor | 3 | T-T | V


PH 121 | THERMODYNAMICS AND STATISTICAL MECHANICS—MA hrs. PH and permission of instructor | 3 | M-W | V


PH 35 | Functions of American Government—PSC 3 | 3 | T-T | V


PH 31 | Psychological—Soph, standing or permission of instructor | 3 | T-T | II
PH 21B | ELECTROMAGNETIC FIELD THEORY—EE 229 | 3 | T-T | II


PH 21C | ELECTROMAGNETIC FIELD THEORY—EE 229 | 3 | T-T | II


PH 255* | ADVANCED LINEAR CONTROL THEORY—EE 293 | 3 | T-T | II


PH 355* | GRADUATE SEMINAR | 0-1 | M | V


PHL 1 | Beginning German—None | 3 | T-T | V
PHL 2 | Elementary German—None | 3 | T-T | V
PHL 3 | Intermediate German—None | 3 | T-T | V
PHL 7 | Elementary Spanish—None | 3 | T-T | V


PHL 31 | Principles of Accounting—None | 3 | M-W | VI
PHL 32 | Principles of Accounting—AC 1 | 3 | M-W | VI
PHL 103 | INTRODUCTORY QUANTUM MECHANICS AND ATOMIC PHYSICS—PH 12, 20, 30 | 3 | M-W | V
GENERAL INFORMATION

The University of Alabama in Huntsville provides the facilities to bring to the people of the Tennessee Valley region those educational opportunities consistent with the needs of the people and with the resources of the University available to maintain excellence. Services are provided in these categories:

Regular University Level Instruction at all Degree Levels
Undergraduate Degree Programs
Graduate Degree Programs at the Masters Level
Research Facilities in Science and Technology
Educational Activities for Special Interest Groups

In the specific fields of study, the available opportunities make possible varying progression toward the particular degrees.

College of Arts and Science:

Beginning in September, 1964, the University will commit the resources to make possible the attainment of an undergraduate degree in Arts and Sciences with a major in either physics, mathematics, history, or English with appropriate minors. Additional majors will be included as the facilities become adequate. A student planning to become a high school teacher may work towards an Arts and Sciences degree in one of the listed majors and take a number of professional courses in the College of Education which will count toward teacher certification requirements for the state of Alabama. Up to three years of study in other fields of Arts and Sciences can be completed with the remaining work to be completed at the Tuscaloosa Campus.

All requirements for a masters degree in physics and mathematics can be completed in Huntsville. The Ph.D. degree in these two fields may be earned in Huntsville after the student completes one academic year of residence at the Tuscaloosa Campus. A program leading to the Master of Public Administration degree was inaugurated in September, 1964.

School of Commerce and Business Administration:

Students interested in studies in these areas can complete the equivalent of two years toward an undergraduate degree.

College of Education:

Those students who desire an undergraduate degree in education with elementary, secondary, or administration major, find opportunity for obtaining the equivalent of two years of course work.

Twelve semester hours of core courses applicable to any master's degree in education are regularly provided by the University of Alabama in Huntsville.

College of Engineering:

The University of Alabama in Huntsville has made possible the completion of the equivalent of three years toward the undergraduate curricula in engineering which are available at the Tuscaloosa Campus. The University has undertaken a study in the event that will be culminated in the establishment of an undergraduate curriculum in engineering in Huntsville at an early date.

All requirements for a master's degree in engineering with majors in engineering mechanics, electrical engineering, industrial engineering, and mechanical engineering can be met in Huntsville. All requirements for a Ph.D. degree in the same areas (with the exception of industrial engineering) can be completed in Huntsville after a student has completed one year in residence at the Tuscaloosa Campus.

Activities for Special Interest Groups:

Educational activities for special interest groups are identified through short courses of a very intensive nature on a variety of subjects, through seminars, conferences and non-credit courses. The design of these courses and activities permits the meeting of a definite need that exists outside the formal college-type of instruction course. Included are refresher courses, information seminars, activity courses, and professional conferences.

The development of the existing programs and those being planned has been and continues to be a cooperative effort of all concerned. The local community and the State have made possible physical facilities: the Redstone Arsenal complexes have provided assistance through contracts and grants; the industrial community has supported the efforts in tangible manner.

PROCESS FOR ADMISSION

Almost all persons wishing to take advantage of the University's educational resources by studying at the University of Alabama in Huntsville will find appropriate courses for which they can qualify. Before registering, those wishing to attend regular credit courses on a credit or non-credit basis must satisfy the general entrance requirements of the University of Alabama. Such prospective students must file an application for admission at the Office of Student Records and must have their high school credits, in case of entering freshmen, and transcripts of high school and college credits from all institutions attended, in case of transfer students, sent to this office. THESE RECORDS MUST BE FILED WELL IN ADVANCE OF REGISTRATION.

APPLICANTS MAY NOT REGISTER OR ATTEND CLASSES UNTIL APPROVALS OF ADMISSION HAVE BEEN RECEIVED FROM THE OFFICE OF ADMISSIONS AND RECORDS ON THE TUSCALOOSA CAMPUS.

Each applicant must offer a record of acceptable subjects and grades. In case of question as to courses or grades, the applicant is required to pass an entrance examination with a satisfactory grade. Entrance examinations are also required of applicants from school with which the University of Alabama has had no experience.

INDIVIDUALS WHO WISH TO ENROLL IN SPECIAL NON-CREDIT COURSES MUST MAKE APPLICATION WELL IN ADVANCE OF REGISTRATION FOR THE CLASS. APPROPRIATE DEADLINES ARE SET ON APPLICATIONS FOR ALL SUCH COURSES. Application forms and brochures giving pertinent information are available at the Office of Student Records.

EXPENSES

Table:

<table>
<thead>
<tr>
<th>Date of Withdrawal</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>% Fees Owed</th>
</tr>
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<tbody>
<tr>
<td>Jan. 6-13</td>
<td></td>
<td></td>
<td></td>
<td>100%</td>
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<td>Jan. 14-21</td>
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<td>Jan. 22-29</td>
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<td>50%</td>
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<tr>
<td>Feb. 1-8</td>
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<td>25%</td>
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<tr>
<td>Feb. 9-16</td>
<td></td>
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<td>10%</td>
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</tbody>
</table>

OFFICE HOURS

Staff Office: 9:00 a.m. - 5:00 p.m. M through F
Ph. 837-4700 (one office open until 8:00 p.m. M-Th)
Library: 10:00 a.m. - 10:00 p.m. M - Th
10:00 a.m. - 5:00 p.m. F
Bookstore: 8:30 a.m. - 8:00 p.m. M through Th
(First 2 wks. of quarter including registration)
5:30 p.m. - 8:00 p.m. F
Facility: Posted on doors of faculty offices

UNIVERSITY OF ALABAMA IN HUNTSVILLE
P. O. Box 860
HUNTSVILLE, ALABAMA

S P R I N G  S C H E D U L E — P L E A S E  P O S T