This section provides descriptions of all courses given by the University at the undergraduate, graduate-professional, and graduate levels. For information about courses offered through the Institute of Agricultural Technology, contact the Institute of Agricultural Technology in Room 120 Agriculture Hall.

**COURSE NUMBERS**

**001-099 Non-Credit Courses**

Courses with these numbers are offered by the University to permit students to make up deficiencies in previous training or to improve their facility in certain basic skills without earning credit.

For information about remedial-developmental-preparatory courses, consult the Undergraduate Education section of this catalog.

**100-299 Undergraduate Courses**

Courses with these numbers are for undergraduate students. They carry no graduate credit, although graduate students may be admitted to such courses in order to make up prerequisites or to gain a foundation for advanced courses.

For information about remedial-developmental-preparatory courses, consult the Undergraduate Education section of this catalog.

**300-499 Advanced Undergraduate Courses**

Courses with these numbers are for advanced undergraduate students. They constitute the advanced portion of an undergraduate program leading to the bachelor's degree. A graduate student may carry 400 level courses for credit upon approval of the student's major department or school. In exceptional cases, a graduate student may petition the dean of his or her college, in writing, for approval of a 300 level course for graduate credit.

**500-699 Graduate-Professional Courses**

Courses with these numbers are courses in the graduate-professional programs. A graduate student may carry these courses for credit with approval of the major department or school.

**800-899 Graduate Courses**

Courses with these numbers are for graduate students. Advanced undergraduates with Honors College status or a grade-point average in their total programs equal to or greater than the minimum requirement for graduation with honors may be admitted to 800-899 level courses. The student must obtain approval of the relevant department. More than half of the credits of the total required for a master's degree shall be taken at the 800 and 900 level except as specifically exempted by the dean of the college.

**900-999 Advanced Graduate Courses**

Courses with these numbers are exclusively for graduate students and primarily for advanced graduate students. A master's degree student may take these courses with the approval of the major department or school, with the exception of courses numbered 999 (doctoral dissertation research). Admission to a doctoral degree program is a prerequisite of all courses numbered 999.

**VARIABLE CREDIT COURSES**

For each variable credit course, the range of credits for which a student may enroll in a given semester and the maximum number of credits that a student may earn in a course with a reenrollment provision shall be specified.
To understand the characteristics of a course, consider each of the five categories depicted below.

A. The course number and title and, if existent, the course number suffix (Ex: 312H or 1121). The suffixes are:

- **H** = Honors Course
- **1** = Type 1 Remedial-Developmental Preparatory Course
- **2** = Type 2 Remedial-Developmental Preparatory Course
- **3** = Type 3 Remedial-Developmental Preparatory Course
- **4** = Type 4 Remedial-Developmental Preparatory Course
- **5** = Type 5 Remedial-Developmental Preparatory Course

For additional information about remedial–developmental–preparatory courses, consult the Academic Programs section of the catalog.

B. The designation code for a Tier II writing course in parentheses following the course title. For additional information, refer to the statement on Writing Requirement in the Academic Programs section of catalog.

(W) – Tier II writing course

C. The diversity designation code for an Integrative Studies course in parentheses following the title. For additional information, refer to Integrative Studies in the Academic Programs section of the catalog.

- **(I)** – international and multicultural diversity
- **(N)** – national diversity
- **(D)** – national diversity, and international and multicultural diversity

D. Information about the semester of offering, credits and instructional model, reenrollment provision, and interdepartmental status.

The semester(s) the course is authorized to be given is identified. Lack of staff or low student enrollment may preclude offering the course every semester for which it is authorized.

The semester credits are designated to include class-hours-a week 4(3–2) where:

- **4** = Number of semester credits.
- **3** = Number of class hours a week in lecture/recitation/discussion.
- **2** = Number of class hours a week in a laboratory.

If the credit is indicated to be variable, the number of credits is to be determined at the time of enrollment. If the course is a non-credit course, the credit-equivalent is given in brackets.

Reenrollment provision is identified.

Interdepartmental course status is identified.

D. A brief description of the course.
COURSE DESIGNATIONS
Throughout the programs of study given in this section, courses are identified either by course subject codes, course numbers, and course titles (example: CSE 101 Computing Concepts and Competencies) or by course names and course numbers (example: Computer Science and Engineering 101). Additional information about specific courses may be found in the Descriptions of Courses section of the catalog or in its frequently updated on-line version available at: http://www.msu.edu/academics/#officialcatalogs.

To assist in locating information about specific courses in the Descriptions of Courses, the course subject codes are listed below in alphabetical order. For each subject code, the corresponding name is given.

SUBJECT CODES
ABM Agribusiness Management
ACC Accounting
ADV Advertising
AE Agricultural Engineering
AEC Agricultural Economics
AEE Agriculture and Natural Resources Education and Communication Systems
AFR African Languages
AL Arts and Letters
AMS American Studies
ANP Anthropology
ANR Agriculture and Natural Resources
ANS Animal Science
ANT Anatomy
ANTR Human Anatomy
ANTV Veterinary Anatomy
ARB Arabic
AS Aerospace Studies
ASC Audiology and Speech Sciences
ASN Asian Languages
AST Astronomy and Astrophysics
AT Institute of Agricultural Technology
ATL American Thought and Language
ATM Agricultural Technology and Systems Management
BCM Building Construction Management
BE Biosystems Engineering
BMB Biochemistry and Molecular Biology
BME Biomedical Engineering
BS Biological Science
BUS Business
CAS Communication Arts and Sciences
CE Civil Engineering
CEM Chemistry
CEP Counseling, Educational Psychology and Special Education
CHE Chemical Engineering
CHS Chinese
CJ Criminal Justice
CLA Classical Studies
CMB Cell and Molecular Biology
COM Communication
CSE Computer Science and Engineering
CSS Crop and Soil Sciences
EAD Educational Administration
EC Economics
ECE Electrical and Computer Engineering
EEP Environmental Economics and Policy
EGR Engineering
EMB Executive MBA Program
ENE Environmental Engineering
ENG English
ENT Entomology
EPI Epidemiology
ES Earth Science
ESL English as a Second Language
FCE Family and Child Ecology
FCM Family and Community Medicine
FI Finance
FIM Food Industry Management
FMP Family Practice
FOR Forestry
FRN French
FRS Forensic Science
FSC Food Science
FW Fisheries and Wildlife
GBL General Business and Business Law
GEN Genetics
GEO Geography
GLG Geological Sciences
GRK Greek
GRM German
HA History of Art
HB Hospitality Business
HEB Hebrew
HEC Human Ecology
HED Human Environment and Design
HM Human Medicine
HNF Human Nutrition and Foods
HRT Horticulture
HST History
IAH Integrative Studies in Arts and Humanities
IM Internal Medicine
ISB Integrative Studies in Biological Sciences
ISP Integrative Studies in Physical Sciences
ISS Integrative Studies in Social, Behavioral and Economic Sciences
ITAL Italian
JPN Japanese
JRN Journalism
KIN Kinesiology
LA Landscape Architecture
LBS Lyman Briggs School
LCS Large Animal Clinical Sciences
LIN Linguistics
LIR Labor and Industrial Relations
LL Linguistics and Languages
LLT Language, Learning and Teaching
LTN Latin
MBA Master of Business Administration
MC James Madison College
ME Mechanical Engineering
MED Medicine
MGT Management
MMG Microbiology and Molecular Genetics
MS Military Science
MSC Marketing and Supply Chain Management
MT Medical Technology
MTH Mathematics
MUS Music
NEU Neuroscience
NOR Neurology and Ophthalmology
NSC Natural Science
NUR Nursing
OGR Obstetrics, Gynecology, and Reproductive Biology
OMM Osteopathic Manipulative Medicine
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Department Name</th>
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<tbody>
<tr>
<td>OSS</td>
<td>Osteopathic Surgical Specialities</td>
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<td>OST</td>
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<tr>
<td>PED</td>
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<td>Pediatrics and Human Development</td>
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<td>Park, Recreation and Tourism Resources</td>
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