

Courses

The course offerings listed in this *Catalog* are subject to change without notice. For more current information, refer to the *Schedule of Classes*, published prior to each semester, and the *Summer Session Catalog*, published in April.

Course listings include a two- to four-letter department code, course number (including alpha suffix, if applicable), title, level, credits, description, cross-listings, repeatability, prerequisites, co-requisites, grade option, frequency, and core designation.

Sample Course Description

ABCD 123 Introduction to Courses (3) (2 Lec, 1 3-hr Lab) This sample describes an introductory course. Open to nonmajors if space available. Repeatable once. CR/NC only. Pre: 122, HIST 101 or GEOG 101, and SP 188 (or concurrent); or consent. Co-requisite: 123L. (Cross-listed as DCBA 123) AHL1

Course number reflects course level (see “Course Numbering System” below). An “A” following the number designates a Selected Studies (honors) section. An “L” following the number designates a laboratory course that is companion to a lecture course bearing the same number. All other suffixes (“B–K,” “M–U,” and “W–Z”) mark separate sections of an “alpha” course, each having a distinctive content such that a student may earn credit toward the degree for each section taken.

Roman numerals (I, II) indicate the level of a course in a sequence, e.g., Calculus II is a more advanced course following an introductory-level course.

Credit hours are shown in parentheses following the course title. Variable credit courses are designated “(V).” Some classes break down the time spent in lecture and laboratory.

Description includes class size/format (e.g., lecture, discussion, seminar, lab, workshop, studio) and major subjects covered. Other features may include learning experiences (e.g., two term papers, guest lecturers).

Repeatable indicates that a course may be taken again for additional credit toward a degree.

CR/NC only indicates that the course is offered only for credit (CR) or no credit (NC). Credit is given if a student achieves a passing grade. If CR/NC only is not indicated, the course uses the A–F grading system.

Pre indicates the prerequisites necessary to register for a course, which may include courses, class standing, or consent of the instructor, faculty adviser, or department chair. Some prerequisites may be taken concurrently. When a department has a prerequisite common to a large group of courses, that fact is noted in italics preceding these course listings.

Co-requisite indicates that the course must be taken in conjunction with another course.

Alt. years means that the course is offered only every other year.

Cross-listed indicates a course that fulfills a requirement in more than one department and specifies the alternate departmental course listing.

General Education designation indicates that the course meets a General Education Core or graduation requirement. See the key in the right column for General Education designations. Courses that meet the writing-intensive requirement are not designated in the *Catalog*. WI-designations are in the *Schedule of Classes*.

Course Numbering System

Undergraduate Courses (1–499)

- 1–99 Courses not applicable for credit toward a bachelor’s degree.
- 100–199 Initial or introductory courses.
- 200–299 Second-year courses in a sequence or development in a field of study.
- 300–499 Third- and fourth-year courses in a sequence of courses or first courses in professional curricula. May be accepted by Graduate Division to fulfill graduate degree requirements (petition may be required).

Post-Baccalaureate Courses (500–800)

- 500 Directed Study (master’s Plan B)
- 500–599 Courses applicable toward first professional degrees (law and medicine) and in-service training programs in education.
- 600–699 Graduate courses.
- 700 Thesis Research (master’s Plan A).
- 700–798 Advanced graduate courses.
- 800 Dissertation Research.

Special Numbers: Courses ending in –99 are directed research or directed study. Experimental courses ending in –97 or –98 and single offerings are not listed in the *Catalog*.

General Education Designations

Courses that meet the UHM General Education Core and graduation requirements are identified with one of the following designations at the end of the course description:

The Arts	AHL1
Humanities	AHL2
Literature and Language	AHL3
Biological Sciences	NS1
Physical Sciences	NS2
Other Sciences	NS3
Social Sciences	SS
Hawaiian/Second Language	HSL

For more information, see the “Mānoa General Education Core and Graduation Requirements” section of this *Catalog*.

Please Note: 1) Consult your adviser for a list of updated General Education courses. Additional courses may have been approved after the publication of this *Catalog*. 2) Some programs specify which courses their students must take to fulfill the Core requirements or to fulfill lower division school or college requirements. For these programs, students should consult an adviser from their intended college, school, or department prior to selecting courses.