

Computer Applications (CAPP)

CAPP 120. Introduction to Computers. 3 Credits.

A literacy-based approach is used to survey the computer and the computer industry. Topics covered include: Microcomputer applications, input, processor, output, auxiliary storage, file and database management, communications, information system life cycle, program development and systems software, and trends, issues and career opportunities in the computer industry. An opportunity for hands-on work with standard software packages including word processors, electronic spreadsheets, database systems, and graphics packages is presented in lab sections. Course Fee: \$5.00 Formerly CIS 110.

Course Fees: \$5.35

CAPP 151. MS Office. 3 Credits.

An in-depth integrated application using the case method will be developed. Students will learn to use the integrated tools in modern applications programs to save time and increase the accuracy and integrity of the overall information used in building reports. OLE and file linking will be used extensively. Visual BASIC scripting will be used to increase application cohesion. Course Fee: \$5.00 Formerly CIS 111.

Course Fees: \$5.35

CAPP 156. MS Excel. 3 Credits.

This class includes theory and applications of spreadsheet software. Also included are advanced features such as programming, web linking, scripting, goal seeking, solver, application integration, list management, complex models, macro implementation, graph creation, and graphic presentation of analyzed data will be covered. Prerequisite: CAPP 120 or higher, M 145 or higher. Formerly CIS 285.

CAPP 158. MS Access. 3 Credits.

This course addresses the fundamental concepts of computerized database management and database design, with emphasis on the relational model. It includes hands-on experience using MS Access in creating databases, forms, reports, and queries. Prerequisite: Basic Computer Skills Formerly CIS 171.

CAPP 191. Special Topics. 1-12 Credits.**CAPP 192. Independent Study. 1-12 Credits.****CAPP 266. Advanced MS Excel Applications. 3 Credits.**

This class includes theory and applications of spreadsheet software. Also included are advanced features such as programming, web linking, scripting, goal seeking, solver, application integration, list management, complex models, macro implementation, graph creation, and graphic presentation of analyzed data will be covered. Prerequisite: CAPP 120 or higher, M 121 or higher Formerly CIS 285.

CAPP 291. Special Topics. 1-12 Credits.**CAPP 292. Independent Study. 1-12 Credits.****CAPP 298. Cooperative Education. 1-12 Credits.**

A planned and supervised work-learning experience in industry, business, government, or community service agencies related to the University program of study. Prerequisites: two semesters of attendance at Montana State University-Northern, approval of advisor, chairperson of department and cooperative education coordinator.

CAPP 391. Special Topics. 1-12 Credits.**CAPP 392. Independent Study. 1-12 Credits.****CAPP 491. Special Topics. 1-12 Credits.****CAPP 492. Independent Study. 1-12 Credits.****CAPP 498. Cooperative Education. 1-12 Credits.**

A planned and supervised work-learning experience extending the student's learning experience in industry, business, government, or community service agencies related to the University program of study. Prerequisites: CAPP 298 or Junior standing and approval of advisor, chairperson of the department, and cooperative education coordinator.

CAPP 1391. Continuing Education. 1-12 Credits.