

# CAS 171 : Intermediate Excel

Introduces advanced features of Excel to design and create accurate, professional worksheets for use in business and industry. Includes financial, logical, lookup, data analysis and database functions; pivot tables; "what-if" analysis with data tables; importing data; complex graphs; and macros; and solver features. Focuses on ways to ensure accuracy including proofreading techniques and critical thinking to determine what data to present and how to present it.

A major goal is to develop better computation skills. Improved spreadsheet design through critical thinking, decision-making, and problem-solving is also emphasized.

**Credits** 3

**Prerequisites**

Instructor permission also accepted.

**Subject**

[Computer Applications Systems](#)

**Course Outcomes**

Upon completion of the course students will be able to:

- Apply critical thinking, problem-solving, and decision making skills to independently design and create complex Excel spreadsheets following current professional and/or industry standards.
- Organize, manipulate, and analyze data using Excel data analysis tools.
- Communicate in a business setting using spreadsheet vocabulary.

**Prerequisite Courses**

[CAS 170](#)