

COURSE DETAIL

CALCULUS II

Country

Egypt

Host Institution

American University in Cairo

Program(s)

The American University in Cairo

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

22

UCEAP Course Suffix**UCEAP Official Title**

CALCULUS II

UCEAP Transcript Title

CALCULUS II

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This is the second semester in a mainstream calculus sequence. It covers the calculus of inverse trigonometric and hyperbolic functions; applications of the definite integral for finding areas and volumes of revolutions; techniques of integration; improper integrals; sequences and series: Convergence tests, power series, Taylor series with applications; vectors and the three-dimensional space: Dot and cross products, lines and planes.

Language(s) of Instruction

English

Host Institution Course Number

MACT 1122

Host Institution Course Title

CALCULUS II

Host Institution Course Details

https://catalog.aucegypt.edu/preview_course.php?catoid=38&coid=91160&print

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics and Actuarial Science

Course Last Reviewed

2025-2026

[Print](#)