

COURSE DETAIL

SYSTEM ANALYSIS AND DESIGN I

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Irish Universities, Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

SYSTEM ANALYSIS AND DESIGN I

UCEAP Transcript Title

SYS ANALYSIS&DESIGN

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces students to the theory and practice of designing, creating, and maintaining large software systems within demanding and changing business environments. The course covers the standard business and engineering processes, approaches, and disciplines applied in industry today. Topics include introduction to systems thinking; fundamentals of traditional and modern system development lifecycle (SDLC) methodologies; initiating and planning software development projects; requirements elicitation and specification techniques; systems analysis through functional and data modeling tools; design of database, interactive, distributed, and internet systems; and implementing and maintaining a system.

Language(s) of Instruction

English

Host Institution Course Number

CSU22BC1

Host Institution Course Title

SYSTEM ANALYSIS AND DESIGN I

Host Institution Campus

Trinity College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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