

COURSE SPECIFICATION DOCUMENT

Academic School / Department:	School of Liberal Arts
Programme:	Computer Science
FHEQ Level:	6
Course Title:	Senior Project 1
Course Code:	DGT 6296
Student Engagement Hours:	120
Lectures:	15
Seminars/Lab:	30
Independent / Guided Learning:	75
Credits:	12 UK CATS credits 6 ECTS credits 3 US credits

Course Description:

This course is designed as the first part of the two-part Senior Project. It provides the setting to conceptualise, research, and propose a written brief that includes the identification and beginnings of the establishment of an appropriate methodology. The instructor will facilitate the process through regularly scheduled class meetings.

The research will be independently conducted via a literary review and the project will need to follow a methodology explored in Systems Analysis and Design.

Prerequisites:

DGT 5101 Programming for Industry and DGT 5104 Systems Analysis and Design.

Aims and Objectives:

By the end of this course, students would have completed the preparatory work necessary to form the basis of the project that will be developed and critically evaluated in the Senior Project 2 course. They will start with a project concept, conduct the research necessary to write a well formed brief, and identify and begin to establish an appropriate methodology.

Programme Outcomes:

COMPSC: A1-8, B1-7, C1-4, C6

A detailed list of the programme outcomes are found in the Programme Specification.

This is located at the archive maintained by Registry and found at:

<https://www.richmond.ac.uk/programme-and-course-specifications/>

Learning Outcomes:

By the end of this course, successful students should be able to:

- Plan a technical project, aware of its scope and constraints.
- Independently carry out literary review of areas relevant to the subject.
- Identify a methodology appropriate to the project brief.

Indicative Content:

- Idea generation
- Writing a technical brief
- Approaches, methodologies and methods
- Writing literature reviews

Assessment:

This course conforms to the University Assessment Norms approved at Academic Board and located at: <https://www.richmond.ac.uk/university-policies/>

Teaching Methodology:

- Lectures, class workshops, one-to-one tutorials.

Indicative Text(s):

- Dennis, Alan, Barbara Wixom, and Roberta Roth. 2015. *Systems Analysis And Design : An Object–Oriented Approach with UML*. 5th ed. Hoboken, NJ: Wiley.
- Greetham, B., 3rd edition, 2019 *How to Write your Undergraduate Dissertation*. Macmillan Study Skills
- Vickler, A., 2021. *Java*. New Mexico: Ladoo Publishing.

Journals/Additional Texts

- Bassot, B., 2015. *The Reflective Practice Guide*. Abingdon: Routledge.
- Bhatti, J., Corleissen, Z., Lambourne, J., Nunez, D. and Waterhouse, H., 2021. *Docs For Developers*. New York Apress.
- Cottrell, S., 2017. *Critical Thinking Skills Effective Analysis, Argument And Reflection*. Basingstoke: Palgrave.
- Hart, C., 2018. *Doing A Literature Review*. 2nd ed. London: Sage.
- Kendall, K. and Kendall, J., 2019. *Systems Analysis And Design*. 10th ed. Harlow: Pearson.

Web Sites

See syllabus for complete reading list

Change Log for this CSD:

Nature of Change	Date Approved & Approval Body (School or AB)	Change Actioned by Registry Services
Revision – annual update	May 2023	