COMP 1001 3D MODELLING FUNDAMENTALS

Credit Points 10

Legacy Code 301164

Coordinator Anton Bogdanovych (https://directory.westernsydney.edu.au/search/name/Anton Bogdanovych/)

Description This subject will introduce the fundamentals of 3D surface modelling. Students will learn the theory of 3D surface modelling and will gain practical skills in creating 3D assets using a popular software package from Autodesk. They will also learn how to design characters and how to integrate their assets with a purpose of producing complex 3D scenes and animated movies. This subject is aimed at students who have no prior knowledge of 3D modelling and are not familiar with associated software packages.

School Computer, Data & Math Sciences

Discipline Computer Graphics

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 1 subject

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Design 3D models
2. Review and implement the key principles of various 3D surface modelling techniques
3. Design, render and animate visual scenes
4. Develop transferable conceptual skills in relation to modelling 3D content and animations.

Subject Content

3D Surface Modelling (LowPoly and HighPoly/ Sculpting)
Texturing and Shading
Rigging and Animation
Simulation and Effects
Lighting and Rendering

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Practical	- 5 screenshots with work in progress - 5 screenshots of final model - Maya source files	50	N	Individual	N
Applied Project	- 5 screenshots with work in progress - 5 screenshots of final model - Maya source files	50	N	Individual	N

Teaching Periods

Autumn (2025)

Parramatta - Victoria Rd

On-site

Subject Contact Anton Bogdanovych (https://directory.westernsydney.edu.au/search/name/Anton Bogdanovych/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP1001_25-AUT_PS_1#subjects)