WM8004 Advanced Interactive Applications

Course Aim
The aim of this course is to build upon skills and techniques acquired in earlier courses to enable students to develop rich, interactive, immersive environments for online distribution. Students will gain valuable experience in producing three-dimensional content for a variety of web-enabled interactive software, such as 3D games, educational applications, rich web content and augmented reality systems.

Short Title
AIA

Faculty
EDICT

Polytechnic Level
15

Pre-requisites
WM7002 (WMB6002)

Co-requisites

Anti-requisites

Learning Outcomes
On successful completion of this course, students will be able to:

1. produce professional-level planning documents to manage complex, multi-faceted interactive media projects
2. implement sophisticated 3D modeling and animation techniques for the purpose of creating assets for use in immersive environments
3. build purposeful interactive 3D environments through the application of advanced interactive design techniques, informed by specialised knowledge of state of the art hardware and software
4. critically assess employability skills by reflecting on a variety of roles within a collaborative project environment

Version
2

Effective From
February 1, 2016

Indicative NQF Level
8

Student Contact hrs
60

Self-directed hrs
90

Other directed hrs

Total learning hrs
150

NQF Sub-strand
Theoretical Understanding

Practical
Application of knowledge

Practical
Application of knowledge

Autonomy, Responsibility, Context