Course Code	DT2010
Course Title	Digital Compositing
Pre-requisites	NIL
No of AUs	3
Contact Hours	39 Contact Hours

Course Aims

This course will introduce you to processes and techniques of digital compositing, which you will then apply in the creation of original composites, such as integrating various image sources into one seamless output. This learning forms the foundation for further studies in visual effects and CG animation.

Intended Learning Outcomes (ILO)

By the end of the course, you should be able to:

1. Identify and discuss techniques used in the compositing practice.
2. Demonstrate fundamental techniques required to create composites.
3. Apply compositing techniques and aesthetic considerations to create original composites.
4. Discuss and present work in a variety of image composite stages with instructor in a clear and cohesive manner.
5. Critique digital compositing techniques and solutions employed by peers in a constructive manner

Course Content

The role of Compositing
Compositing is both the technical and artistic challenge of combining different image sources such as live-action footage, matte-paintings and rendered CG elements into one seamless new output. Digital Compositing plays a key role in visual effects, and it is essential to feature films, commercials, TV shows and animated films. Even non-effect films utilize compositing as the invisible art of image manipulation. The course will deliver a practice-based introduction to the basic techniques of compositing and its place within the production process.

Node-Based Compositing
In contrast to the layer-based compositing, which centres on timing, a node-based workflow with an easy to read flow diagram of all processing operations, becomes essential when working on complex composites. This course will introduce both concepts but focuses on node-based workflows.

Compositing Techniques
Through practice-based exercises and project assignments, you will learn basic and advanced compositing techniques such as layering and blend modes, colour correction, rotoscoping, tracking, warping, chroma keying and CGI compositing.

Artistic Considerations

What makes a good composite? Through analysis of a variety of examples from film and animation, you will develop a sense of creative considerations and their role in creating a successful composite.

Class assignments

Creative projects, which explore fundamental compositing techniques. Developed through lectures, tutorials, class exercises and peer/instructor feedback sessions.