<h1>Creative Multimedia Syllabus </h1>

<p>The Higher Diploma is over 12 months, with the first 9 being in-class on the Moylish Campus and the concluding 3 being a distinct work experience initiative. It is quite an intensive course, with a wide spread of subjects completed in a very short time. The majority of the grades are comprised of Below is a summary of the modules in each term, with the main software and projects being also highlighted</p>

<h2>Term 1 – Autumn </h2>

<h3>[Database Systems and Design](https://moodle.lit.ie/course/view.php?id=3199)</h3>

<p>An introductory module to database theory and design. It includes Database Design, Normalization and </p>

<h3>[3D Graphics](https://moodle.lit.ie/course/view.php?id=1010)</h3>

<p>Using 3DS Max software, the student learns 3D design. This is probably one of the toughest parts of the course, with complex techniques, such as the composition of 3D shapes, lighting and animation. The student’s knowledge is evaluated over 3 projects, dealing in scene composition, irregular shape construction and animation. </p>

<h3>[Digital Video](https://moodle.lit.ie/course/view.php?id=1422)</h3>

<p>This module focusses on the various aspects of film. Topics such as shot angles, continuation and </p>

<h3>[Web Development](https://moodle.lit.ie/course/view.php?id=1051)</h3>

<p>The basics of HTML and other related web design languages are taught in this module. At it’s conclusion, the student will have several web site projects for their portfolio. </p>

<h3>[Web Programming](https://moodle.lit.ie/course/view.php?id=533)</h3>

<p>This programming module focuses on JavaScript. It complements the study done in the web development module </p>

<h3>[Human Cognition & Communication](https://moodle.lit.ie/course/view.php?id=1479)</h3>

<p>This is largely a theoretical module which focuses on the topics of Communication. Topics such as the role of Sound, Perception and Language are examined. There is a series of written assignments which forms most of the marks for the project. </p>

<h3>[Interaction Design](https://moodle.lit.ie/course/view.php?id=2212)</h3>

<p>This focuses on the topics surrounding Visual Design, such as colour and typography. This module is examined over several assignments which focus primarily on the student’s design capabilities using Adobe PhotoShop and Illustrator. </p>

<h2>Term 2 – Spring </h2>

<h3>[Evolving Web Technologies](https://moodle.lit.ie/course/view.php?id=535)</h3>

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<h3>[Interaction Interface Design](https://moodle.lit.ie/course/view.php?id=2213)</h3>

<p>This module focusses on the composition of two elements

<li>Portfolio and CV Preparation – This is done by using various design tools to create visual representations of the student’s CV and portfolio. The latter primarily consists of the work done by the student in the course. PhotoShop, Illustrator and Issuu are </li>

<li>Development of a Prototype – This concentrates on the process of bringing software from concept to prototype. This is done using Balsamiq and Axure</li>

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<h3>[Advanced Web Programming](https://moodle.lit.ie/course/view.php?id=534)</h3>

<p> This module focusses on PHP and the related topics of Code Igniter and SQL. This is demonstrated through several projects, incl </p>

<h3>[Project](https://moodle.lit.ie/course/view.php?id=1424)</h3>

<p>This is a project which the student uses to showcase a variety of the skills accu,ulated by the student during the course. Typically, this will comprise of a website with various aspects of functionality, such as database connectivity, animation and advanced HTML topics. </p>