# SYST: Information Systems

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| **Module Title:** | Information Systems |
| **Language of Instruction:** | English |

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| **Credits:** | 5 |

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| **NFQ Level:** | 7 |

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| **Module Delivered In** | 2 programme(s) |

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| **Teaching & Learning Strategies:** | Traditional theory and lab-based classes incorporating class interaction. Use of case studies where relevant (here we explore the existence of key theoretical concepts within case study material). Strong emphasis on synthesis of inter-related topics/concepts - signposting and blended example generation. |

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| **Module Aim:** | To provide the student with an insight into the acquisition and utilisation of information systems in the modern organisation. |

| **Learning Outcomes** | |
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| *On successful completion of this module the learner should be able to:* | |
| LO1 | Categorise the different types of information system that can be deployed in a modern enterprise |
| LO2 | Appraise the different approaches to information systems development |
| LO3 | Assess the different system acquisition approaches and their impact on business strategy realisation |

| **Pre-requisite learning** |
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| ***Module Recommendations***<br>*This is prior learning (or a practical skill) that is recommended before enrolment in this module.* |
| No recommendations listed |
| ***Incompatible Modules***<br>*These are modules which have learning outcomes that are too similar to the learning outcomes of this module.* |
| No incompatible modules listed |
| ***Co-requisite Modules*** |
| No Co-requisite modules listed |
| ***Requirements***<br>*This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.* |
| 2nd year Database & Visual Programming or equivalent. |

## Module Content & Assessment

| Indicative Content |
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| **Categories of Information Systems**<br>BFIS; MIS; DSS; EIS,OIS ES. Role of IS Department. Strategic Information Systems, BPR ERP. |
| **Approaches to Information Systems Development**<br>Systems Development Life Cycle approaches e.g. SDLC, Rapid Application Development(RAD), Joint Application Development (JAD), Agile Development - SCRUM, XP, Pair Programming |
| **Emerging IS Topics**<br>Current areas of interest and any others that become relevant within the information systems discipline e.g. frameworks, case studies approaches to systems development, outsourcing, acquisition etc. |

| Assessment Breakdown | % |
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| Continuous Assessment | 40.00% |
| End of Module Formal Examination | 60.00% |

**Continuous Assessment**

| *Assessment Type* | *Assessment Description* | *Outcome addressed* | *% of total* | *Assessment Date* |
|---|---|---|---|---|
| Examination | Test 1 This will assess a comprehensive understanding of the various categories of information system. | 1 | 20.00 | Week 7 |
| Examination | Test 2 This will assess the student's ability to evaluate and discern between the different approaches to systems development/acquisition. | 2,3 | 20.00 | Week 11 |

No Project

No Practical

**End of Module Formal Examination**

| *Assessment Type* | *Assessment Description* | *Outcome addressed* | *% of total* | *Assessment Date* |
|---|---|---|---|---|
| Formal Exam | No Description | 1,2,3 | 60.00 | End-of-Semester |

**SETU Carlow Campus reserves the right to alter the nature and timings of assessment**

## Module Workload

| **Workload: Full Time** | | |
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| *Workload Type* | *Frequency* | *Average Weekly Learner Workload* |
| Lecture | 12 Weeks per Stage | 3.00 |
| Laboratory | 12 Weeks per Stage | 1.00 |
| Estimated Learner Hours | 15 Weeks per Stage | 5.13 |
| | Total Hours | 125.00 |

## Module Delivered In

| Programme Code | Programme | Semester | Delivery |
|---|---|---|---|
| CW_KCCIT_B | Bachelor of Science (Honours) in Information Technology Management | 5 | Mandatory |
| CW_KCCSY_D | Bachelor of Science in Information Technology Management | 5 | Mandatory |