De Montfort University

Course Template

1. Basic information

- Course Name: Computing
- Course Code: CC211V
- Level (UG, PG): Undergraduate
- Academic Period: 2014
- Faculty: Faculty of Technology
- Department: Business Computing & Mathematics
- PMB COMP
- Offered at: C0 - Leicester College; W2 - North Warwickshire & Hinckley; N7 - Central Coll Nottingham
- Type (single, joint.): SI
- Highest Award : Higher National Diploma
- All possible exit awards : Higher National Certificate; Institutional Undergraduate Credit; Certificate of Higher Education
- Award notes :

Professional Body Recognition

- Accreditation by Professional/Statutory body:

No

- Exemption by Professional/Statutory body:

No

- Details

- Modes of attendance: Main MOA: Part-Time
  Other MOA:
- Mode Notes:
- Course leader: Ian Smith

2. Entry Requirements and Profile

Award HND Standard Entry Requirements 140 points plus 5 GCSE @ C including English & Maths or equivalent A-levels AVCE Double/Single award in relevant subject. BTEC National (Pass profile) Appropriate Access to HE Other qualifications deemed equivalent to the above. Mature students who do not meet the normal entry requirements but can offer relevant qualifications, experience and/or training are encouraged to apply.

3. Course Description

Characteristics and Aims

This course provides a broad understanding of aspects of Computing, whilst allowing students to specialise in their chosen areas. It develops technical skills in computing, including programming, analysis, database design, multimedia and entertainment games It is especially suited to students who wish to gain an HND without committing themselves to four years of study at the outset, mature students, or students with entry qualifications below those required for full degree courses. The modules that lead to the named award of Edexcel HND Computing are designed to conform to the revised Edexcel requirements published April 1998.

The course
The two years of the full-time (3 years part-time) of the course comprise the award of Edexcel HND Computing. There is therefore a strong emphasis on practical work, with a mix of individual and group work. All modules studied, except one, are designed specifically for this programme. The practical aspects of the HND will enable students to make an immediate contribution in future employment.
The HND course forms a good foundation for students wishing to proceed to degree study. Students with appropriate achievement at HND can proceed directly to year 2 of the BSc Computer Science degree course.

Course content
Modules are carefully chosen to provide a sound general foundation across the range of computing topics, covering key areas such as programming, computer hardware and software, systems modelling and database design. Most modules are compulsory (all are in year 1) but there are options in year 2 to allow students to start to specialise in areas that interest them, such as multimedia and entertainment games computing.

Resources
Throughout the course, students will have access to high quality, modern computer hardware and software together with an enthusiastic team of tutors to support learning.

Career opportunities
Graduates can enter careers which require technical computing skills. These include positions such as Programmer, Web Developer, Technical Sales and Marketing, Database Designer/Manager, IT/PC Support, and Technical Customer Support.

Teaching, Learning and Assessment Strategies

The modules making up the course employ a range of learning strategies. The learning strategies of the course are therefore an amalgamation of the learning strategies of the individual modules on the course. The compulsory modules on this course ensure that students learn by a combination of practical experience, self-study and research.
The strategies by which students may learn on this course include:
Staff directed learning via lectures, tutorials & laboratories
Student centered resource based learning (incl. Web based resources)
Collaborative and group based learning
Individual learning
Student centered learning via research
Assessment in each module is designed to meet the specified learning outcomes of the module.
Methods of assessment for the modules will include:
Time constrained phase tests
Portfolios of work
Laboratory exercises
Formal 2 hour examinations
Oral examinations at demonstrations
Individual & group work
Project work
Reports & presentations
Research reports

4. Outcomes

Generic outcome headings	What a student should know and be able to do upon completion of the course
• **Knowledge & understanding**	Programming Systems analysis An understanding of the basics of computer hardware & software Design and implementation of simple databases Use of the World Wide Web (optional) Multimedia (optional)

	Entertainment Games (optional) Apply the basics of Human-Computer Interaction theory to a system Professionalism in Computing Project Managerment
• **Cognitive skills**	Will include (level depends upon module studied) Problem solving skills Computational skills Research methods
• **Subject specific skills**	Using computer software Writing/developing computer systems/software Computing project management
• **Key Skills**	Will include (level depends upon module studied) Project management, report writing, presentation, research, collaborative working etc.

5. Structure and Regulations

Relationship Details

Module	Credits	Level	Take/Pass	Semester	Locations
IMAT1214	**30.00**	**1**	**Neither**	**Y**	**C0, W2, N7**
IMAT1215	**30.00**	**1**	**Neither**	**Y**	**C0, W2, N7**
IMAT1604	**30.00**	**1**	**Must Take**	**Y, SY**	**B0, C0, T0, W2, N7**
IMAT1906	**30.00**	**1**	**Must Take**	**Y**	**B0, C0, T0, W2, N7**
CTEC2402	**30.00**	**2**	**Must Take**	**Y**	**B0, C0, T0, W2, N7**
CTEC2604	**30.00**	**2**	**Neither**	**Y**	**B0, C0, T0, W2, N7**
CTEC2608	**30.00**	**2**	**Neither**	**Y**	**B0, C0, T0, W2, N7**
CTEC2902	**30.00**	**2**	**Neither**	**Y**	**B0, C0, T0, W2, N7**
IMAT2609	**30.00**	**2**	**Must Take**	**Y**	**B0, C0, T0, W2, N7**

Structure

Structure notes

Course Specific Differences or Regulations

Numbers at sites, including partner institutions

Relevant QAA Subject Benchmarking statement(s)

6. Quality Assurance Information

QA of Workbased Learning

Liaison with Collaborative Partners

Managed by Faculty Collaborative Co-ordinator, Programme Associate College Co-ordinator and Education Partnerships

Procedures for Maintaining Standards

The Programme is managed by a programme leader together with a programme team. They are guided by the prevailing academic regulations and modular scheme handbooks produced by Registry.

An external examiner is attached to the programme who acts as a critical friend. He/She

attends the assessment board and scrutinises student work and marking to ensure that standards have been maintained at an apposite level.

Each year the programme leader completes a Programme Enhancement Plan which is approved by the Programme Board/Subject Authority Board and Faculty Academic Committee.

The student voice is heard via student representatives on the Programme Board and the Staff Student Consultative Committee. Feedback from students is gathered by end of module questionnaires and programme questionnaires.

The programme is subject to a periodic review in line with University requirements.

Course Handbook Descriptor