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| Title: | Information Experience APPROVED |
| Long Title: | Information Experience |
| Module Code: | COMP9043 |
| Duration: | 1 Semester |
| Credits: | 10 |
| NFQ Level: | Expert |
| Field of Study: | Computer Science |
| Valid From: | Semester 1 - 2016/17 (September 2016) |
| Module Delivered in | 2 programme(s) |
| Module Coordinator: | Sean McSweeney |
| Module Author: | Donna OShea |
| Module Description: | Users construct, access, receive, and interpret information through multiple touchpoints and delivery systems. By providing the right information experience, information developers can improve the usability of a product or application, which enhances user satisfaction. This module presents the theory of human information interaction and how presentation and situation affect the end-user experience. This module also outlines the main methods to finding information, the approaches to integration of information, and the evaluation of the overall end-user experience. |
| Learning Outcomes | |
| <i>On successful completion of this module the learner will be able to:</i> | |
| LO1 | Assess the impact of Human Information Interaction (HII) theory on the field of information development. |
| LO2 | Discuss the main approaches in ensuring the reader receives the most salient information relevant to their current situational context. |
| LO3 | Assess a document in terms of its information presentation and its impact on information experience. |
| LO4 | Build a literature review that searches for information using a range of research methods and sources. |
| LO5 | Manage a documents information sources using appropriate tools and referencing techniques. |
| LO6 | Create a document that integrates information using a well defined process. |
| LO7 | Evaluate the information experience of an information source using information modelling techniques. |
| Pre-requisite learning | |
| Module Recommendations | |
| <i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named CIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i> | |
| Incompatible Modules | |
| <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module. You may not earn additional credit for the same learning and therefore you may not enrol in this module if you have successfully completed any modules in the incompatible list.</i> | |
| No incompatible modules listed | |
| Co-requisite Modules | |
| No Co-requisite modules listed | |

Requirements

This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.

No requirements listed

Module Content & Assessment

Indicative Content

Human Information Interaction (HII)

Basic concepts. HII definition. HCI versus HII. Acquiring, evaluating, using, sharing, filtering, organising and representing information. Models of HII.

Information in the Situation

Information situation overview. Information content and context. Cognitive aspects to situations. Human memory theory and biases in interpreting information. Information interaction and interpretation. Information interaction with technology.

Humans and Information Presentation

First glance evaluation - perception, preattentive processing, page appearance, Gestalt theory. Typography - effectiveness of chosen typography, cognitive processing of graphics, text and graphic interaction. Information presentation affect on HII.

Finding Information

Searching for information. Research methods. The nature of research. Qualitative, quantitative and mixed research methodologies. Literature searches: Sources (magazines, journals, Web, impact rating, quality of source). Online databases (INSPEC, Compendex, IEEE, CiteSeer, ACM Portal). Searching the Web. Systematic searching. Management of information found. Referencing.

Information Integration

Information integration theory. Process for integration - create, review, revise process. Creating content based on tasks.

Information experience evaluation

Information flow/modelling validation. Information gap identification. Extraneous information. Information quality and control.

Assessment Breakdown

%

Course Work

100.00%

Course Work

| Assessment Type | Assessment Description | Outcome addressed | % of total | Assessment Date |
|-----------------|---|-------------------|------------|-----------------|
| Project | Given an information source the student is expected to evaluate it in terms its situational and presentation awareness to the end user and outline approaches to overcome limitations identified. | 1,2,3 | 25.0 | Week 6 |
| Written Report | Written report on a given subject in information science for example the theory of information science and human information interaction. | 1,4,5,6 | 50.0 | Week 10 |
| Project | In this project for example the student may create a document that integrates information from various sources and access the end user experience. | 6,7 | 25.0 | Sem End |

No End of Module Formal Examination

Reassessment Requirement

Coursework Only

This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.

The institute reserves the right to alter the nature and timings of assessment

Module Workload

| Workload: Full Time | | | | |
|---|---|--------------|------------------|--|
| <i>Workload Type</i> | <i>Workload Description</i> | <i>Hours</i> | <i>Frequency</i> | <i>Average Weekly Learner Workload</i> |
| Lecture | Lecture delivering theory underpinning learning outcomes. | 2.0 | Every Week | 2.00 |
| Tutorial | Tutorial to support learning outcomes. | 1.0 | Every Week | 1.00 |
| Independent & Directed Learning (Non-contact) | Independent study. | 11.0 | Every Week | 11.00 |
| Total Hours | | | | 14.00 |
| Total Weekly Learner Workload | | | | 14.00 |
| Total Weekly Contact Hours | | | | 3.00 |

| Workload: Part Time | | | | |
|---|---|--------------|------------------|--|
| <i>Workload Type</i> | <i>Workload Description</i> | <i>Hours</i> | <i>Frequency</i> | <i>Average Weekly Learner Workload</i> |
| Lecture | Lecture delivering theory underpinning learning outcomes. | 2.0 | Every Week | 2.00 |
| Tutorial | Tutorial based lab to support learning outcomes. | 1.0 | Every Week | 1.00 |
| Independent & Directed Learning (Non-contact) | Independent study. | 11.0 | Every Week | 11.00 |
| Total Hours | | | | 14.00 |
| Total Weekly Learner Workload | | | | 14.00 |
| Total Weekly Contact Hours | | | | 3.00 |

Module Resources

Recommended Book Resources

- Fidel, R. 2012, *Human Information Interaction: An Ecological Approach to Information Behavior*, The MIT Press [ISBN: 0262017008]
- Albers, M. J. 2012, *Human-Information Interaction and Technical Communication: Concepts and Frameworks*, IGI Global [ISBN: 1466601523]

Supplementary Book Resources

- Flick, U. 2015, *Introducing Research Methodology - A Beginner's Guide to Doing a Research Project*, 2nd Ed., Sage Publications Ltd [ISBN: 9781446294246]
- Kumar, R. 2005, *Research Methodology*, Sage Publications Ltd [ISBN: 141291194X]
- Creswell, J. W. 2013, *Research design*, Thousand Oaks, Calif; Sage [ISBN: 9781452274614]
- Saunders, M.N.K., Lewis, P., Thornhill, A. 2012, *Research Methods for Business Students*, Pearson Education Canada [ISBN: 9780273750758]

This module does not have any article/paper resources

This module does not have any other resources

Module Delivered in

| Programme Code | Programme | Semester | Delivery |
|-----------------------|--|-----------------|-----------------|
| CR_KINDD_9 | <u>Master of Science in Information Design and Development</u> | 2 | Mandatory |
| CR_KIDDE_9 | <u>Postgraduate Diploma in Science in Information Design and Development</u> | 2 | Mandatory |