



Digital Fluency in the Artificial Intelligence-Enabled Enterprise Course Descriptor

Course Title	Digital Fluency in the Artificial Intelligence-Enabled Enterprise	Faculty	EDGE Innovation Unit (London)
Course code	NCHNAP450	Course Leader	Professor Scott Wildman (interim)
Credit points	15	Teaching Period	This course will typically be delivered over a 2-week intensive period.
FHEQ level	4	Date approved	June 2020
Compulsory/Optional	Compulsory		
Pre-requisites	None		
Co-requisites	None		

COURSE SUMMARY

This course is delivered as a two-week, intensive, face-to-face bootcamp. Organisational leaders preparing for the future of digital advancement recognise the importance of accurately assessing the value of information resources, improving processes at all levels of the organisation, and preparing their workforce to make the most efficient and effective use of information systems deployed. Leaders faced with the challenge of preparing themselves and others for the next generation of human-computer interaction recognise that technology is a double-edged sword that presents opportunities and threats simultaneously. To meet this challenge, leaders must improve their digital fluency – the syntax knowledge, sociolinguistic sensibility, and strategic expertise that a person gains and demonstrates in their use of information resources.

COURSE AIMS

- Expose learners to critical thinking, design thinking and systems thinking.

- Introduce learners to the use of artificial intelligence within information systems.
- Train learners to use a case-based approach to understand the value, pitfalls and possibilities of AI.
- Allow learners to focus on design and deployment rather than development and coding.

LEARNING OUTCOMES

On successful completion of the course, learners will be able to:

KNOWLEDGE AND UNDERSTANDING

- K1a Understand and apply the attributes of digital fluency in a real-world context in order to identify opportunities for growth in selves and teams.
- K2a Identify the pitfalls and challenges associated with the deployment of AI in the enterprise.

SUBJECT SPECIFIC SKILLS

- S1a Use the Systems Success framework to accurately assess the value of artificial intelligence deployment at each level of the organisation (strategic, tactical, and operational).
- S2a Synthesise the attributes of critical thinking, design thinking, and systems thinking and apply them to AI deployment in a real-world situation.

TRANSFERABLE AND PROFESSIONAL SKILLS

- T1ai Develop leadership and management skills.
- T1aii Display a developing technical proficiency of written English skills that demonstrates an ability to communicate clearly and accurately when producing structured and coherent pieces of text.
- T2a Demonstrate time-management and organisational skills within the context of self-directed learning.
- T3a Demonstrate the ability to obtain and use information from a variety of sources as part of self-directed learning.

TEACHING AND LEARNING

This is a face-to-face bootcamp, of two weeks duration, taught once every year.

This course can be offered as a standalone short course.

Teaching and learning strategies for this course will include:

- Lectures
- Informal discussion groups
- Practical sessions
- Assessment

Course information and supplementary materials will be available on the College's Virtual Learning Environment (VLE).

Learners are required to attend and participate in all the formal and timetabled sessions for this course. Learners are also expected to manage their self-directed learning and independent study in support of the course.

The course learning and teaching hours will be structured as follows:

- Off-the-job learning and teaching (12 days x 7 hours) = 84 hours
- On-the-job learning (10 days x 7 hours) = 70 hours

Apprentices will complete workplace activities before and after the bootcamp, as part of their on-the-job learning. Preliminary activities include reading and workplace research and post-bootcamp activities will include completion of the assignments (see below).

ASSESSMENT

FORMATIVE

Learners will be formatively assessed during the course by means of set assignments. These will not count towards the final degree but will provide learners with developmental feedback.

SUMMATIVE

Assessment will be in two forms:

AE	Assessment Type	Weighting	Online submission	Duration	Length
1	Written Assignment	70%	Yes	-	2,500 words +/- 10%, excluding data tables
2	Presentation	30%	Yes	30 mins	-

FEEDBACK

Learners will receive formal feedback in a variety of ways: written (via email correspondence); oral and indirectly through discussion during group tutorials. Learners will also attend a formal meeting with their Academic Mentor and Employer. These tri-partite reviews will monitor and evaluate the learner's progress.

Feedback is provided on summatively assessed assignments and through generic internal examiners' reports, both of which are posted on the VLE.

INDICATIVE READING

Note: Comprehensive and current reading lists for courses are produced annually in the Course Syllabus or other documentation provided to learners; the indicative reading list provided below is used as part of the approval/modification process only.

BOOKS

- Briggs, C. and Makice, K., (2012), *Digital Fluency: Building Success in the Digital Age*, Digital Fluency
- Callan, R., (2003), *Artificial Intelligence*, Basingstoke: Palgrave Macmillan
- Van Emden, J. and Becker, L., (2016), *Presentation Skills for Students*, Basingstoke: Palgrave Macmillan

JOURNALS

Learners are encouraged to read material from relevant journals on Digital Fluency and/or Artificial Intelligence as directed by their course trainer.

ELECTRONIC RESOURCES

Learners are encouraged to consult websites on Digital Fluency and/or Artificial Intelligence.

INDICATIVE TOPICS

- Artificial Intelligence within Information Systems
 - Recommendation Engines
 - Voice-Activated Transaction Processing
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Title: NCHNAP450 Digital Fluency in the Artificial Intelligence-Enabled Enterprise Course Descriptor

Approved by: Academic Board

**Location: Academic Handbook/Programme specifications and Handbooks/
Undergraduate Apprenticeship Programmes/BSc (Hons) Digital & Technology
Solutions Programme Specification/Course Descriptors**

Version number	Date approved	Date published	Owner	Proposed next review date	Modification (As per AQF4) & category number
2.1	May 2022	May 2022	Scott Wildman	June 2025	Category 1: Corrections/clarifications to documents which do not change approved content.
2.0	January 2022	April 2022	Scott Wildman	June 2025	Category 3: Changes to Learning Outcomes
1.0	June 2020	June 2020	Scott Wildman	June 2025	