1. **Title of the module**

COMP8240 (CO824) Privacy

1. **Division or partner institution which will be responsible for management of the module**

Division of Computing, Engineering, Mathematical Sciences (CEMS)

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 7

1. **The number of credits and the ECTS value which the module represents**

15 credits (7.5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn or Spring

1. **Prerequisite and co-requisite modules**

Prerequisites:

None

1. **The courses of study to which the module contributes**

Portfolio of Taught Postgraduate Courses in Computing, with and without Industrial Placement

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
   1. Demonstrate a systematic understanding of the underpinning key concepts about privacy.
   2. Critically identify, evaluate and illustrate privacy issues in a wide range of real world application contexts.
   3. Select and apply relevant privacy enhancing technologies and tools to solve real world privacy problems.
   4. Critically evaluate the performance of privacy solutions in the context of real world applications.
   5. Demonstrate a systematic understanding of important socio-technical aspects of privacy.
2. **The intended generic learning outcomes.  
   On successfully completing the module students will be:**
   1. Demonstrate the ability for critical thinking, reasoning and reflection.
   2. Produce a specification of the operation of a complex system based on an understanding of the component parts.
   3. Undertake critical appraisal of a candidate system design and reflect upon its merits.
   4. Study independently and make appropriate use of relevant resources.
   5. Demonstrate personal and interpersonal skills, and work as a member of a team.
   6. Communicate effectively (in writing and verbally).
   7. Learn effectively for the purpose of continuing professional development.
   8. Manage time and resources within a potentially complex problem domain.
   9. Make effective use of general IT facilities including information retrieval skills.
3. **A synopsis of the curriculum**

This module aims to familiarise students with general concepts about privacy, privacy issues in selected application contexts of privacy enhancing technologies (e.g., Internet and web, mobile computing, online social networks, IoT), selected privacy enhancing technologies including data anonymisation (e.g., *k*-anonymity and differential privacy), anonymous communication (e.g., Tor), web and mobile privacy tools, and socio-technical related topics aspects of privacy (e.g., privacy behaviours, privacy policies, usability, and relevant legal issues).

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Carmela Troncoso (2019) Privacy & Online Rights Knowledge Area, Issue 1.0, <https://www.cybok.org/media/downloads/Privacy__Online_Rights_issue_1.0_FNULPeI.pdf>

The Royal Society (2019) Privacy Enhancing Technologies, report, <https://royalsociety.org/topics-policy/projects/privacy-enhancing-technologies/>

More recommended readings will be provided with each week’s teaching material.

1. **Learning and teaching methods**

Total contact hours: 30

Private study hours: 120

Total study hours: 150

1. **Assessment methods**
   1. Main assessment methods

2 hour written exam (50%)

Two coursework assessments (25% and approximately 15 hrs each)

* 1. Reassessment methods

Like for like.

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *8.5* | *9.1* | *9.2* | *9.3* | *9.4* | *9.5* | *9.6* | *9.7* | *9.8* | *9.9* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lectures | x | x | x | x | x | x | x | x | x | x | x |  |  |  |
| *Private study* | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Assessment 1* | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| *Assessment 2* | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| *Examination* | x | x | x | x | x | x | x | x | x |  | x |  |  |  |

1. **Inclusive module design**

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

The topics addressed by this module relate to a field which is of international importance, given the global role of computers in today's technological innovation. The topics covered by this module are international in nature, being identical worldwide and independent of traditional spoken language.

**DIVISION USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

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| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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