

# CM50200 - Mobile and Pervasive Systems: 2017-18

## Coursework Specifications and Topics (Courseworks 1&2)

### General specifications

- o Choosing freely from the topics below, produce two (2) essays of 3.000 words each. The two essays must be on different topics and each must be chosen from the list provided below.
- o The essays should be written with all around 2cm margins, in 11pt serif font and may include diagrams, tables and figures as appropriate.

### Topics

1	How might we use mobile and pervasive systems to enable people to have better capability to make decisions and act? How can we use these systems to influence people towards desired attitudes and/or behaviours?
2	Context is very relevant to mobile and pervasive computing but at the same very problematic. What do you see as the advantages and pitfalls in enabling context aware computing in terms of adapting system behaviour?
3	<i>"The ability to transform any space temporarily into a smart space is a powerful capability"</i> . What are successful implementations of smart spaces? Should the implementation of physical smart spaces be entirely replaced by transient smart spaces (i.e. with smart mobile devices/artefacts)?
4	The initial vision of pervasive computing was for it to be 'transparent' to the user. However, the evolution of portable devices has led to a dependency to mobile information and notifications. What should be the balance between transparency and interruptibility?
5	In developing mobile and pervasive computing, issues of privacy, security and trust are central. What are the main challenges around these issues? How can the designer be aware of and reason about these issues in the development processes? How can the user be aware of these issues and how to deal breaches of them?

### Submission

- o Coursework 1 is to be submitted by 2:00pm on Saturday, 18th of November (week 7).
- o Coursework 2 is to be submitted by 2:00pm on Saturday, 9th of December (week 10).
- o The submission of both courseworks will be done electronically on the Moodle page of the course (<https://moodle.bath.ac.uk/course/view.php?id=55437>).
- o Both courseworks will be submitted anonymously and will be assessed in the same manner (i.e. DO NOT put your name in the essay).

*Please note that any requests for extensions to coursework deadlines should be submitted to the Director of Studies.*

### Assessment

The unit is assessed 100% on coursework. Each of the two courseworks contributes 50% to the total assessment mark. Failure to submit a coursework by the deadline will result in a mark of 0% for that coursework.

## Feedback

Feedback on each coursework will be provided no later than 7 days after the corresponding coursework hand-in deadline, in the form of a mark and separate comments for originality, rigour, clarity and significance.

These criteria may broadly be considered as follows.

- o Originality: the extent to which the essay brings fresh views or insights to the topic.
- o Rigour: the thoroughness with which the topic is considered and explored in the essay, taking into account both breadth and depth.
- o Clarity: the extent to which the narrative and logic of the essay are well constructed, coherent and well presented.
- o Significance: the extent to which the essay contributes to understanding, scholarship, theory or practice in the topic area.

## Plagiarism

Plagiarism is a serious academic offence but more often than not it results from misunderstanding rather than a deliberate intention to cheat. Many students simply do not understand what plagiarism is. The University of Bath and the Department of Computer Science take this offence very seriously. On additional information of what may be considered plagiarism and different types of it, refer to the relevant Library resource (<http://www.bath.ac.uk/library/help/infoguides/plagiarism.html>).