Information Systems Concepts

Exam Preparation

Roman Kontchakov

Birkbeck, University of London
Exam Structure

There are 5 questions (each with 25 marks)
only answer 4 of them (25×4=100)

- 2 textual questions
  - Q1: 5 sub-questions (each with 5 marks)
  - Q2: 5 sub-questions (each with 5 marks)

- 3 diagramming questions
  - Q3: use case diagram
  - Q4: class diagram
  - Q5: communication and sequence diagrams
Sources

- textbook
  - Review Questions
    (at the end of each chapter)
  - UML Notation Summary
    (Appendix A)
- lecture slides
- past exam papers 2010–14
  (in particular, the diagramming questions)
Scope

- Object-Orientation Concepts
  - Section 4.2 (pp. 91–106)

- Activity Diagrams
  - Section 5.3 (pp. 122–128)

- Requirements Capture
  - Section 6.3 (pp. 142–150)

- XP
  - Section 21.6 (pp. 625–627)
Scope (2)

- Use Case Diagrams
  - Section 6.6–6.6.2 (pp. 154–159)

- Class Diagrams
  - Section 7.3 (pp. 184–194)
  - Section 7.5.5–7.5.10 (pp. 208–215)
  - Section 8.3.1–8.3.3 (pp. 237–244)
  - Section 14.4.4 (pp. 409–410)
Scope

- Communication Diagrams
  - Section 7.4 (pp. 194–197)
  - Section 9.4 (pp. 280–284)

- Sequence Diagrams
  - Section 9.3–9.3.3 (pp. 262–276)
Scope (4)

- Operation Specification
  - Section 10.4 (pp. 295–304)

- Systems Design
  - Section 12.2 (pp. 348–350)

- Human Computer Interaction
  - Section 16.2.1–16.2.3 (pp. 447–451)
  - Section 16.3.1 (pp. 456–463)