***Readme of contents of CD***

*This document contains a list of all the Appendices on CD describing what is included in each of them. The document types are stated with information on how to open if any file is not in the commonly used format.*

**CD Content:**

**Appendix A** (a readme of contents of CD)

* Microsoft Word Document describing the contents of CD

**Appendix B** Questionnaires and data from questionnaires

* Questionnaire - Microsoft Word Document
* Questionnaire\_responses - Microsoft Excel Worksheet (responses from questionnaire: data for Economics, FoIT students, crosstabs and single questions graphs, responses to questions 10-12)

**Appendix C** Answer files from the CAA

* Engagement - Microsoft Excel Worksheet (number of tests/questions solved by students for each year and each topic, graphs for each year, graphs for each topic, years 2009-2013)
* Questions\_Combined Data - Microsoft Excel Worksheet (five years combined data on questions for each topic and each question type with graphs, years 2009-2013)
* Questions\_Not combined data – Folder containing Microsoft Excel Worksheet documents (five years not combined data on questions for each topic, years 2009-2013)

**Appendix D** Exam analysis spreadsheets

* CAA vs Exam results - Microsoft Excel Worksheet (combined information of CAA and Exam results for each topic and year, PMCC calculated, graphs generated)
* Exams results - Excel spreadsheets (data on student exam results for questions on each topic, graph comparing this information together generated, years 2006-2012)
* Indicators - Microsoft Excel Worksheet (data showing numbers of students who can: write reminders; convert binary, octal, hexadecimal numbers; use curly brackets for sets; lay out a truth table with three statements so that TTTTFFFF, TTFFTTFF, TFTFTFTF are the columns; graph comparing this information together generated; years 2006-2012)

**Appendix E** Coding of questions and some underlying functions

* QMLs – QML files of all the questions for all five topics (can be imported into QM Perception version 3.x and used with the templates or opened in any word processor to see the Javascript coding)
* Templates – TEMPLATE files of the functions necessary to run the questions (can be used with QM Perception version 3.x or opened in any word processor to see the Javascript coding)

**Appendix F** An electronic version of this thesis

* Thesis\_K.Zaczek - Microsoft Word Document (an electronic version of what is submitted as a hard copy)