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October 3, 2017

To whom it may concern,

During Autumn 2017 Raquel Ouriques (SSN: 820724P780) participated in the courses PA1415 Software Design (7.5 ECTS), PA1435 Object-Oriented Design (6 ECTS), and PA1443 Introduction to Software Design and Architectures (5 ECTS) in the functions of discussion leader and assignment marker. Her contribution included answering questions from the students, leading discussions about object-oriented concepts, assessing object-oriented analyses and designs from students, and providing rich feedback to the students in order to improve their designs.
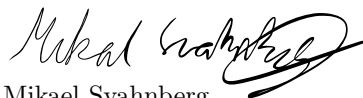
Specific topics include:

- Introduction to the system development process
- Introduction to requirements engineering
- Time- and Size-assessments
- Work breakdown and planning
- Basic concepts in object-oriented modelling
- Introduction to the Unified Modelling Language (UML)
- Introduction to the development process Unfied Process
- Basic Design Principles, such as low coupling, high cohesion, polymorphism
- Introduction to, and use of Design Patterns
- Testing, in particular from the perspective of the software design process
- Introduction to software architectures
- Introduction to software architecture styles and patterns

The course books used are *C. Larman, Applying UML and Patterns, Prentice Hall, 3rd Edition.* (main book) and *Gamma, Helm, Johnson, Vlissides, Design Patterns, Elements of Reusable Object-Oriented Software, Addison-Wesley Professional.* (reference book).

In order to complete her tasks in the courses Raquel had to study up on the topics and become proficient enough to be able to provide meaningful feedback to the students. The dramatic increase in students receiving grades A and B in the courses this year is a testament to her success.

Sincerely,

Mikael Svahnberg
Associate Professor
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