

**Prüfungsordnung des Fachbereichs 2: Informatik und Ingenieurwissenschaften – Computer Science and Engineering der Fachhochschule Frankfurt am Main - University of Applied Sciences für den Master-Studiengang Information Technology vom 30.05.2007, zuletzt geändert am 24.10.2012**

hier: Änderung vom 23.10.2013

Aufgrund des § 44 Abs.1 Nr. 1 des Hessischen Hochschulgesetzes (HHG) vom 14. Dezember 2009 (GVBl. I S.666) hat der Fachbereichsrat des Fachbereichs 2: Informatik und Ingenieurwissenschaften – Computer Science and Engineering der Fachhochschule Frankfurt am Main - University of Applied Sciences am 23.10.2013 die nachstehende Änderung der Prüfungsordnung beschlossen.

Die Änderung der Prüfungsordnung entspricht den Allgemeinen Bestimmungen für Prüfungsordnungen mit den Abschlüssen Bachelor und Master an der Fachhochschule Frankfurt am Main - University of Applied Sciences (AB Bachelor/Master) vom 10. November 2004 (StAnz. 2005 S. 519), in der Fassung der Änderung vom 11. Februar 2009 (Hochschulanzeiger Nr. 13/26.08.2009) zuletzt geändert am 11. Juli 2012 (veröffentlicht am 25.09.2012 auf der Internetseite in den Amtlichen Mitteilungen der FH Frankfurt am Main) und ergänzt sie.

Die Änderung der Prüfungsordnung wurde durch das Präsidium am 21. Juli 2014 gemäß § 37 Abs. 5 HHG genehmigt.

**Artikel I: Änderung**

Die oben genannte Prüfungsordnung wird wie folgt geändert:

1.

In der Anlage 3 Module description wird im Modul 2 „Stochastic Signals and Systems“ die Angabe in der Zeile „Intended learning outcomes /acquired competences of the module“ wie folgt neu gefasst:

“After the first part of the course the students have a thorough understanding of the fundamentals of random processes and according to this all students who started with different prerequisites are on the same level.

The students are able to describe stochastic processes in information and communication systems adequately.

The students are familiar with important estimation methods, and they are able to choose appropriate estimation methods for parameter estimation on stochastic signals.

The students master the theory of non-recursive and recursive optimum systems. The students are able to apply them to information and communication systems.

The students are able to design recursive estimators and predictors.

The students are familiar with coloured process noise and correlated measurement noise. The students are able design extended Kalman filters.

Students have gathered sufficient proficiency in Matlab

and they are able to apply the acquired skills and knowledge in this Module to a wide range of disciplines.”

2.

In der Anlage 3 Module description wird im Modul 3 "Methods, Systems and Networks for Digital Communication" die Angabe in der Zeile „Intended learning outcomes /acquired competences of the module“ wie folgt neu gefasst:

“Students from different countries and different backgrounds have harmonized their knowledge and acquired comparable skills in the fundamentals of telecommunication and network technologies. They will have substantial knowledge of the functionalities, network nodes and architectures of modern telecommunication systems and networks and know details about the essential communication protocols.

On successful completion of the subject the students are able to:

- analyse different network technologies and protocols
- specify network nodes and architectures
- recognize and analyse relationships in modern communication networks and to highlight optimization (?) opportunities.

They are able to do scientific research and present the accumulated knowledge to other students.“

3.

In der Anlage 3 Module description wird im Modul 5 "Software Engineering" die Angabe in der Zeile „Intended learning outcomes /acquired competences of the module“ wie folgt neu gefasst:

“In the course the students will be familiar with software engineering techniques and archive the ability and perform and manage software projects in teams.

On successful completion of the subject the students are able to:

- Plan and analyze the entire software lifecycle
- Gather appropriate information needed to perform a requirements specification
- Work out requirements specification documents
- Design and develop software
- Plan and create suitable software tests, create appropriate test data and run a software integration test, a system test or a component test
- Manage and lead a software prototyping process as well as a conventional software development process
- Apply quality management techniques to a software development process

They are able to organize and manage technical projects and familiar with teamwork.

Furthermore they are able to present and discuss the accumulated knowledge, strategy and solution to professional audiences and transfer the acquired skills to other disciplines.“

4.

In der Anlage 3 Module description wird im Modul 11 Alternative 1 "Engineering of Optical Systems" die Angabe in der Zeile „Intended learning outcomes /acquired competences of the module“ wie folgt neu gefasst:

“Students acquire knowledge of different theoretical system architectures in the field of optics. They understand the design process and the requirements of the selected system architectures. They acquire practical knowledge to develop computer supported optical design.

On successful completion of the Module the students are able to:

- Calculate and measure system parameters of optical systems
- Research appropriate information to perform requirements specification
- Analyze and optimize optical systems
- Consider the different specifications of optical systems and realize a computer supported optical systems

They are able to organize a technical project and work together in a team. They are able to present and discuss the approach.“

#### **Artikel II: Inkrafttreten**

Die Änderung tritt am 01.09.2013 zum Wintersemester 2013/14 in Kraft und wird in einem zentralen Verzeichnis auf der Internetseite der Fachhochschule Frankfurt am Main - University of Applied Sciences veröffentlicht.

Frankfurt am Main

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Dekan des Fachbereichs

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