RIGA TECHNICAL UNIVERSITY

RTU academic master study program Business Informatics

DSP776 Information Systems Security Engineering

Abstract

This course will provide for students an overview of the principles for information systems security engineering. The participants will learn how to ensure confidentiality, integrity, and availability of secure assets. The course will also analyze how to engineer and model security requirements and how to use the major security controls, like role-based access control. The course also includes the overview of the principles for the model driven security. A number of lectures will be given to understand what are the principles of security development processes and what the security patterns are. During the practical seminars, there will be a number of exercises for deepening of the acquired knowledge.

Faculty team

Responsible instructor
Dr.sc.ing., professor
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Leading instructor
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