

## Project Management Course

<i>Name of the subject:</i> <b>Project Management - PhD</b>	<i>SUBJECT code:</i>	Weekly hours:	Credit: 15 ECTS
<i>Subject leader:</i> <b>Nenad Milijić</b>	<i>Academic Degree:</i> Assistant Professor	Prerequisites: Knowledge in the field of Statistics, Quality Management and Business Economics	

**Purpose** The course represents the fundamental concepts of project management. Students will be able to understand the scope and variations of project types, understand the key variables in the project management, as well as study of methods, techniques and approaches that are important for successful project management in order to achieve goals across a wide range of contexts.

**Course description:** Students' ability to use basic techniques and tools as well as communication and information technologies and their application in the project management process. The expected outcome is knowledge of critical success factors in project management, but also the ability to produce project reports.

### Schedule

Weeks	Topics
1.	Location of projects in contemporary organizations: project definition, life cycle of the project.
2.	Project Initiation: strategic management and project selection, project portfolio process.
3.	Project manager: special project manager requirements, project manager selection, multicultural communication and managerial behavior.
4.	Project organization as a part of a functional organization, pure project organization, matrix organization.
5.	Human factor and project team.
6.	Project planning: initial coordination of the project, system integration, WBS and linear liability maps.
7.	Conflicts and Negotiations.
8.	Project budget and cost estimates; assessment of the project budget, improvement of the cost estimation process.
9.	Network planning: structure, time and cost analysis, PERT and CPM.
10.	Resource allocation.
11.	Project monitoring and information systems.
12.	Project control.
13.	Project audit.
14.	Project completion process.

**Final grade:** seminar paper 20, written exam 40, oral exam 40 (marks: 51-6, 61-7, 71-8, 81-9, 91-10)

**Compulsory literature:**

1. Meredith, J.R., Mantel, S.J., Project Management – A Managerial Approach, John Wiley and Sons, Inc, 7<sup>th</sup> Edition, Hoboken, NJ, USA, 2009.
2. Levine, H.A., Project portfolio management, HB Printing, John Wiley and Sons, New York, USA, 2005.
3. Carter, M.W., Price, C.C., Operations research-a practical introduction, CRC Press, International edition, 2001.

**Supplemental literature:**

Articles from international journals.