

Management of Research and Development Course

<i>Name of the subject:</i> Management of Research and Development - Bsc	<i>SUBJECT code:</i>	Weekly hours: 3 lecture	Credit: 8
<i>Subject leader:</i> Milica Arsić	<i>Academic Degree:</i> Assistant professor	Prerequisites: Fundamental knowledge of management	

Purpose The main objective of the course is that students understand the importance of scientific and research activities for company development and competitive advantage and learn about the basics of research work

Course description:

During the course, students have opportunity to learn the meaning of words creativity, invention and innovation. Accent is on the great importance of scientific research work within the every country and every company. The ideas presented on the course focus on ways to improve productivity of organizations and foster excellence in this organizations.

Schedule

Weeks	Topics
1.	Introduction, What is research and development?
2.	Technical progress –definition and types
3.	Classification of R&D organizations
4.	Elements of R&D organizations
5.	Who are inventors and innovators
6.	Edward de Bono - Lateral Thinking
7.	Sources of innovation
8.	Research and development strategy
9.	Test
10.	Development policy of the company
11.	Company development plan and its dimensions
12.	Instruments for long-term planning
13.	Risk in the process of company development
14.	TQM and innovation

Final grade:

Based on presentation and activity during the course (40%) and final exam (60%).
The evaluations, based on the results are as follows: 0-50 fail (5); 51-60 pass (6); 61-70 good (7); 71-80 very good (8); 81-90 excellent (9); 91-100 exceptional (10).

Compulsory literature:

Ravi Jain, Harry C. Triandis, Cynthia W. Weick, Managing Research, Development and Innovation: Managing the Unmanageable, John Wiley and Sons, 2010.

Supplemental literature:

Andreas Holzinger, Succesfull Management of Research and Development, 2011.