

<b>Study programmes:</b> BACHELOR STUDIES – Astronomy and Astrophysics				
<b>Course name:</b> Fundamentals of Electrodynamics				
<b>Lecturers:</b> Zoran Borjan and other lecturers				
<b>Status:</b> Optional				
<b>ECTS:</b> 6				
<b>Attendance prerequisites:</b> No prerequisites.				
<b>Course aims:</b> Theoretical formulation of the Maxwell's electrodynamics with elements of physical optics. Elaboration of theoretical formalism.				
<b>Course outcome:</b> Students' competence in solving problems and general application of electrodynamical techniques.				
<b>Course content:</b> Electrostatics.Magnetostatics.Quasistationary electromagnetic fields.Rapidly varying electromagnetic fields.				
<b>Literature:</b> 1. Z.Borjan, "Osnovi elektrodinamike", Faculty of physics, Belgrade, 2013.god				
<b>Number of hours:</b> 5	<b>Lectures:</b> 3	<b>Tutorials:</b> 2	<b>Laboratory:</b> -	<b>Research:</b> -
<b>Teaching and learning methods:</b> Lectures. Exercises in calculus of electrodynamical problems.				
<b>Assessment (maximal 100 points)</b>				
<b>Course assignments</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>	
Lectures	20	Written exam	35	
Exercises / Tutorials	-	Oral exam	35	
Colloquia	-	Written-oral exam	-	
Essay / Project	10			