

<b>Study programmes:</b> PhD studies – Mathematics – Analysis and differential equations			
<b>Course name:</b> 3M129 Entire functions			
<b>Lecturers:</b> Miljan Knežević			
<b>Status:</b> Optional			
<b>ECTS:</b> 9			
<b>Attendance prerequisites:</b> Complex Analysis 2			
<b>Course aims:</b> Mastering of notions and methods of the theory of entire functions.			
<b>Course outcome:</b> Student should understand and be able to apply notions and techniques of the theory of entire functions.			
<b>Course content:</b> The order of growth and type of entire functions. General properties of entire functions of normal type. Growth of entire functions and distributions of their zeroes. Uniqueness theorems. Interpolation by entire functions. Completeness of system of functions in functional spaces.			
<b>Literature:</b>			
1. R.P. Boas, Entire functions, Academic Press, 1954.			
2. B.Ya. Levin, Distribution of zeroes of entire functions, Translations of Math. Monographs, Vol. 5, Amer. Math. Soc. Providence, R.I.			
3. R.M. Young, An introduction to nonharmonic Fourier series, Academic Press, 1980.			
<b>Number of hours:</b> 10	<b>Lectures:</b> 4	<b>Research:</b> 6	
<b>Teaching and learning methods:</b> Frontal / Individual / Research			
<b>Assessment (maximal 100 points)</b>			
<b>Course assignments</b>	<b>Points</b>	<b>Final exam</b>	<b>points</b>
Lectures		Written exam	
Exercises / Tutorials	50	Oral exam	50
Colloquia		Written-oral exam	
Essay / Project			