

<i>Name of the subject:</i> Machine design III. (Driving Systems)	<i>NEPTUN-code:</i> BGBGG3ENND	Credits: 5 ECTS: 7
<i>Subject leader:</i> Dr. Géza Körtvélyesi	<i>Title:</i> Ass. Professor	
<i>Course description:</i>		
<p>The aim of this course is to provide an overview of drives by friction force and drives by shape. Their tasks, models applied at dimensioning and operation will be presented also. This course covers the topics as follows: friction drives, belt drives (flat belt drives, Vee-belt drives, multiple Vee-belt drives), chain drive, worm gear drive, gear drives, dimensioning of gears on strength, types of teething (spur teething, helical teething, spiral teething, hypoid teething etc.), teething with profile displacement, undercutting, tooth sharpening, failure mechanisms of gears.</p>		