| Add. 3 |  
| Course program for the first, second and third degree of studies  
| 1. Course title | Mechanical transmissions  
| 2. Code | 209  
| 3. Study group(s) | PI, TML, TI, HIMV, MSKI, IIM, MV, EE, MHT, AUS  
| 4. The organizer of the study program (unit, institute, department) | Faculty of Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje  
| 5. Level (first, second, third) | First  
| 6. Academic year / semester | winter  
| 7. Number of ECTS credits | 6  
| 8. Instructor | Associated professor PhD Petar Simonovski  
| 9. Prerequisites | Mechanics - passed  
| Engineering Graphics - passed  
| 10. Course objectives (competences): Ability of the student - future mechanical engineer for proper selection, use and calculation of mechanical transmissions for power in all types of machines, as well as the process of their design, installation, exploitation and maintenance.  
| 11. Course content: Detailed calculation of geometrics, kinematics and strength of friction and gear direct and indirect transmissions. (Belt drives, friction wheels, chain drives, gears whose axes are parallel, intersect and gears whose axes diverge.)  
| 12. Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning  
| 13. Total hours | 6 ECTS x 30 classes = 180 classes  
| 14. Hours allocation per activity: | 30 + 30 + 30 + 15 + 75 = 180 classes  
| 15. Lectures/Lab |  
| 15.1. Teaching lectures | 30 classes  
| 15.2. Practice, seminars, team work | 30 classes  
| 16. Project Work/Assignments |  
| 16.1. Project assignments | 30 classes  
| 16.2. Selfrunning assignments | 15 classes  
| 16.3. Home studying | 75 classes  
| 17. Points/Marks: |  
| 17.1. Tests | 80 points  
| 17.2. Projects | 15 points  
| 17.3. Attendance | 5 points  
| 18. Grading scale | Under 50  
| 51 - 60 points | 6 (six) (E)  
| 61 - 70 points | 7 (seven) (D)  
| 71 - 80 points | 8 (eight) (C)  
| 81 - 90 points | 9 (nine) (B)  
| 91 - 100 points | 10 (ten) (A)  
| 19. Prerequisites for taking the final exam | Implemented activities 17.2 and 17.3  
| 20. Language of Instruction | Macedonian language  
| 21. Course evaluation | Surveys and other forms of continuous activities  
| 22. Textbooks |  
| 22.1. Instruction materials |  
| No. | Author | Title | Publisher | Year  
| 1. | D. Stamboliev | Machine elements | Faculty of | 2008 |

### Supplemental Instruction Materials

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<thead>
<tr>
<th>No.</th>
<th>Author</th>
<th>Title</th>
<th>Publisher</th>
<th>Year</th>
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