# MODULAR COURSES

## in the discipline of Mechanical Engineering

| No. | Subject | Course type - number of hours |
|-----|---------|-------------------------------|
| 1. | Analysis and evaluation of the surface layer condition | W-15 |
| 2. | Image analysis | W-15 |
| 3. | Biomechanics | W-15 |
| 4. | Vehicle construction | W-15 |
| 5. | Dynamics of material systems | W-15 |
| 6. | Experimental methods for detection of structural failure | W-15 |
| 7. | Reverse engineering | W-15 |
| 8. | Classic processing techniques | W-15 |
| 9. | Logistics | W-15 |
| 10. | Mechanics of deformable objects | W-15 |
| 11. | Fluid mechanics | W-15 |
| 12. | Mechanics of coupled fields | W-15 |
| 13. | Damage mechanics | W-15 |
| 14. | Metrology | W-15 |
| 15. | Modeling of manufacturing systems | W-15 |
| 16. | Unconventional and incremental manufacturing methods | W-15 |
| 17. | Structural optimization | W-15 |
| 18. | Design of experiments | W-15 |
| 19. | Machine design and construction | W-15 |
| 20. | CAD Systems | W-15 |
| 21. | Engineering thermodynamics | W-15 |
| 22. | Heat and mass exchange | W-15 |
| 23. | Project management | W-15 |
| 24. | Product development management | W-15 |

W - Lecture (L)