





## Eötvös Loránd University (ELTE) Faculty of Informatics

Savaria Institute of Technology Szombathely

## FINAL EXAMINATION VEHICLE STURCTURES AND MAINTENANCE

- 1. Legal background, structural properties of engines.
- 2. Vehicle Manufacturer companies, their characteristics, drive systems.
- 3. Engine starter motors, principles of starting systems, types of starters, regenerative drives, vehicle electrical systems, starter design (sliding (push) wheel, Bendix slip ring, start-stop system).
- 4. Special vehicles. Individual aggregates.
- 5. Suction side, atomization, mixture preparation.
- 6. Exhaust side, excess air control, reduction of harmful emissions.
- 7. Engine failures, engine characteristics, indicator diagrams.
- 8. Automotive clutches, differential principle and practice.
- 9. Steering gears, braking systems.
- 10. Tires: types and properties.
- 11. The active occupant protection systems.
- 12. The passive occupant protection systems.
- 13. Vehicle dynamics, safe driving.
- 14. Undercarriage.