

Tárgytematika / Course Description

Final year project I.

AJNM_JFTA002

Tárgyfelelős neve /

Teacher's name: dr. Vehovszky Balázs

Félév / Semester: 2025/26/1

Beszámolási forma /

Assesment: Folyamatos számonkérés

Tárgy heti óraszám /

Teaching hours(week): 0/4/0

Tárgy féléves óraszám /

Teaching hours(sem.):

OKTATÁS CÉLJA / AIM OF THE COURSE

This subject targets the enhancement of individual/small group engineering work of students in different fields of vehicle development. The application of theoretical knowledge is required - in the field of CFD, durability and fatigue, vibration and acoustics etc. Selected works are also realized in a student-made race car. Includes preferably preparation for master thesis.

Main topics of the projects: chassis, composites, suspension, steering, vehicle electronics, drivetrain, engine, aerodynamics, race team management

TANTÁRGY TARTALMA / DESCRIPTION

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Evaluation of the project plans and the presentations on the project plans;

Evaluation of the interim reports;

Evaluation of the final project documentation and the presentations on the final reports;

Technical evaluation 50%; Project management evaluation 50%; Further weighting factor is the evaluation of the project team members

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Project Management Institute: A Guide to the Project Management - Body of Knowledge, ISBN 978-1-9355-8967-9

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL

Joseph Heagney: Fundamentals of Project Management, ISBN 978-0-8144-1748-5;

Michael L. George et. al: Lean Six Sigma Pocket Toolbook, ISBN 978-0-0714-4119-3