



SUBJECT DATA SHEET AND REQUIREMENTS

last modified: October 2019

INDIVIDUAL PROJECT II.

(Önálló feladat 2.)

1	Code	Semester Nr. or fall/spring	Contact hours/week (lect.+semin.+lab.)	Requirements p / e / s	Credit	Language
	BMEGEVGAG08	f/s	0+0+4	p	4	English

2. Subject's responsible:

Name:	Position:	Affiliation (Department):
György Paál, PhD	professor	Dept. of Hydrodynamic Systems

3. Lecturer:

Name:	Position:	Affiliation (Department):
Sára Till (still@hds.bme.hu)	contact person	Dept. of Hydrodynamic Systems
various supervisors		Dept. of Hydrodynamic Systems

4. Thematic background of the subject:

The professional knowledge of the performed BSc subjects.

5. Compulsory / recommended prerequisites:

Compulsory: -

Suggested: Fluid Mechanics

This subject is recommended after or in parallel with the Individual Project I. subject.

6. Main aims and objectives, learning outcomes of the subject:

The subject develops the student's individual project management and problem-solving skills via working out a problem in the field of numerical simulation/measurement/design. The topics are complex engineering tasks. The students have to choose a topic (with a given supervisor) from those offered by the Department. During the semester the students have to work out the topic individually (literature survey, definition and solution of the problem, written summary of the results) in flexible working hours, guided by the supervisor.

At the end of the semester a report has to be written and submitted to the supervisor about the work: literature, solved problems, developed methods depending on the nature of the topic.

7. Method of education:

lecture: -
 seminar: -
 laboratory: 1 h/w consultation
 homework: 3 h/w individual work

8. Detailed thematic description of the subject (by topic, min. 800 character):

-

9. Requirements and grading

a) in term-period

Type	Share of the grade
Oral presentation in 10 minutes	15 %
Documentation (mini-poster presentation)	70 %
Personal consultations (active participation 1h/week)	15 %
Sum	100%

b) in examination period

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c) Disciplinary Measures Against the Application of Unauthorized Means at Mid-Terms, Term-End Exams and Homework

According to the Code of Studies (Rector's Order № 7 of 2017 (6 November 2017) with the amendments of Rector's Order № 3 of 2018 (30 August 2018)), available at: https://gpk.bme.hu/downloads/en/BME_Code_of_Studies.pdf

d) grade

The mid-term grade is based on performance scores as shown in the table below.

grade • [ECTS]	points
jeles(5) • Excellent [5]	above 85%
jó(4) • Good [4]	72,5–85%
közepes(3) • Satisfactory [3]	65–72,5%
elégseges(2) • Pass [2]	50–65%
elégtelen(1) • Fail [1]	under 50%

10. Retake and repeat

According to the Code of Studies

11. Consulting opportunities:

Consultation hours: by email appointments

12. Reference literature (compulsory, recommended):

Recommended by the supervisor based on the topic.

13. Home study required to pass the subject:

Contact hours	14	h/semester
Home study for the courses	0	h/semester
Home study for the mid-semester checks	16	h/check
Preparation of mid-semester homework	90	h/homework
Home study of the allotted written notes	0	h/semester
Home study for the exam	0	h/semester
Totally:	=30×4=120	h/semester

14. The data sheet and the requirements are prepared by:

Name:	Title:	Affiliation (Department):
György Paál, PhD	professor	Dept. of Hydrodynamic Systems

15. Contact person for administrative questions:

Sára Till, still@hds.bme.hu