SUBJECT DATA SHEET AND REQUIREMENTS

last modified: 5th December 2013

FINAL PROJECT B

DIPLOMATERVEZÉS B

1	Code	Semester Nr. or fall/spring	Contact hours/week (lect.+semin.+lab.)	Requirements p / e / s	Credit	Language
	BMEGEÁTMWDB	**4. fall(spring*)**	**0+13+0**	**s**	**15**	**English**

*: in case of enrolment in fall

2. Subject's responsible:

Name:	Title:	Affiliation (Department):
Dr. Jenő Miklós SUDA	assistant professor	Dept. of Fluid Mechanics

3. Lecturer:

Name:	Title:	Affiliation (Department):
-	-	Dept. of Fluid Mechanics

4. Thematic background of the subject:
Knowledge of the subjects of the MSc curriculum and specialisation.

5. Compulsory / suggested prerequisites:
Compulsory: -
Suggested: -

6. Main aims and objectives, learning outcomes of the subject:
The aim of the course is to develop and enhance the capability for complex problem solving of the students under advisory management of their project leader and advisors. Each student's project is guided by the supervisor and depending on the problem -if applicable- by advisor(s). They form the so-called evaluation team (ET).

7. Method of education: lecture 0h/w, seminar 13h/w, laboratory 0h/w
Several experimental and/or numerical (CFD) final project proposals will be announced by the supervisors on the registration week or before on the webpage of the Department. In course of the Final Project B one single student will work on one selected challenging (theoretical and/or experimental and/or numerical) problem of fluid mechanics, that is the continuation of the previous problem of Final Project A. Hence, the findings of the Final Project A and B is resulting in the final Master (MSc) Thesis of the student.

8. Detailed thematic description of the subject:
Experimental and/or numerical (CFD) major project proposals will be announced by the supervisors on the registration week or before. The Final Project B proposals are defined as being complex problems for the 4th semester and that are the continuation of the Final Project A (BMEGEÁTMWDA) in the previous (3rd) semester. A so-called Evaluation Team (ET) is formed in that the student's supervisor + two advisors are participating, being the members of ET.

9. Requirements and grading
a) in term-period: two oral presentation of results and one written project report.

1st evaluation team meeting: on the 6th week: 1st project presentation by the student
2nd evaluation team meeting: on the 13th week: 2nd project presentation by the student

Final Project B report (=MSc Thesis): Submission deadline: see on the Project Assignments (4PM on the last working day (Friday) of the semester: 14th week) in printed and electronic (CD/DVD) format. It is obligatory to use a common template for format: see detailed template on the subject's website. Document length: approx. 70 (min. 50 – max. 100) pages. (Body text from the Introduction and chapters to the Conclusion, including Figures, Tables, etc.). The Report must contain the signed original Project Assignment document and all data that is used in course of the project.

Evaluation team members assess the student's work, the presentations & the report in % mark.
The final grade (practical mark) is calculated based on the % marks (being the average value of the members marks) of the supervisor and the two advisors.

1st ETM its %mark counts as being the 20% of the final grade
2nd ETM its %mark counts as being the 35% of the final grade
Report its %mark counts as being the 45% of the final grade

Minimum requirements: students work must pass the minimum 40%, i.e. "pass" (2) level, as a given informative final grade, since the supervisor gives the "s" (Signature) as final mark when the student's work passes the minimum 40%, i.e. "pass" level.

The MSc Thesis is submitted to an opponent (e.g. expert of the given subject) for evaluation.

b) in examination period: -

c) The students are subject to disciplinary measures against the application of unauthorized means at mid-terms, term-end exams and homework and the application of the 1/2013. (I.30.) Dean's Order must be followed.

10. Retake and repeat

Very late submission deadline: at 4PM on the day before the last day on the 15th week of the semester.
Any further movements are due to the Code of Studies and Exams of BME.

11. Consulting opportunities:

Consultation hours: by email appointments and as it is indicated on the department's website. Supervisor / advisors / evaluation team members are available in weekly consulting hours

12. Reference literature (compulsory, recommended):

- Preliminary literature survey is essential part of the project start, but reference literature will be provided by the supervisor / advisors, too.
- Downloadable materials: www.ara.bme.hu/oktatas/tantargy/NEPTUN/BMEGEATMWDB

13. Home study required to pass the subject:

Contact hours	182	h/semester
Home study for the courses	248	h/semester
Home study for the mid-semester checks	10	h/check
Preparation of mid-semester homework	-	h/homework
Home study of the allotted written notes	-	h/semester
Home study for the exam	-	h/semester
Totally:	**450**	**h/semester**

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

Name:	Title:	Affiliation (Department):
Dr. Jenő Miklós SUDA	assistant professor	Dept. of Fluid Mechanics