

ASSIGNMENT

MSc MAJOR PROJECT (BMEGEÁTMWD1)

Title: **Construct force and torque measurement system of around an airfoil**

Author's name (code): **Balázs TOKAJI (JUZ7LV)**
Curriculum: MSc in Mechanical Engineering Modelling / Fluid Mechanics
Curriculum's code: 2N-MW0-FM

Supervisor's name, title: László NAGY, assistant research fellow
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Advisor's name, title: -
Affiliation, address: -

Description / tasks of the project:

1. Investigate the results of diploma works based on similar subject and complement them with literature survey connected to the actual investigation! Perform literature survey also on blocking effect.
2. Construct a device to fix the airfoils to the two-dimensional force and torque measurement system made for the pushing-air type wind tunnel built on the department. Present the usability of the various airfoils in the 2D wind tunnel measurement space. Carry out a cost plan for the realization of the device.
3. Confirm the usability of the selected airfoil by visualization. Examine the applicability of the available measuring devices on the department.
4. Summarize the results in the appropriate format requirements, and make a brief summary on foreign and Hungarian language.

Handed out / Deadline: **10th of February 2014. / 16th of May 2014.**
Budapest, 10th of February 2014.

(L.S.)

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supervisor

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Dr. János VAD, associate professor
Head of Department

Received by:
Budapest, 10th of February 2014.

The undersigned declares that all prerequisite subjects of the Major Project have been fully accomplished. Otherwise, the present assignment for the Major Project and the subject's registration of BMEGEÁTMWD1 are considered to be invalid.

.....
student



Supervisor's declaration of acceptance:	The submitted Project Report fulfils all requirements of the Department of Fluid Mechanics, Budapest University of Technology and Economics.
Supervisor's proposal for final grade of the thesis:	<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"><p>The proposed final grade* of the Project Report:</p><p>.....</p></div> <p>* Please, select one: excellent (5), good (4), medium (3), acceptable (2), fail (1)</p>
Date:	Budapest, 16 th of May 2014.
Name / Signature:	<p>.....</p> <p>supervisor</p>

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