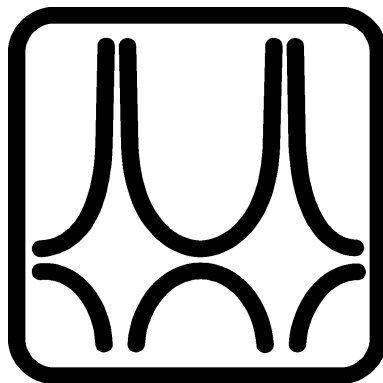




**Budapest University of Technology and Economics**

# Timetable

**Year 2013/14 - 1st Semester**



**Faculty of Civil Engineering**

## BSc-MSc course year 2012/13 1st semester calendar

| Week                                      | Educational week | Event(#)/Odd(+) | Monday                                     | Tuesday                                  | Wednesday                   | Thursday                   | Friday                              | Saturday                           | Sunday       |
|---|------------------|-----------------|--|--|-----------------------------|----------------------------|-------------------------------------|------------------------------------|--------------|
|   | 0                |                 | 2 September                                | 3 September                              | 4 September                 | 5 September                | 6 September                         | 7 September                        | 8 September  |
| -----Registration week, registration----- |                  |                 |  |  |                             |                            |                                     |                                    |              |
| 35  | 1                | +               | 9 September<br><b>Start of semes.</b>      | 10 September                             | 11 September                | 12 September               | 13 September                        | 14 September                       | 15 September |
| 36  | 2                | #               | 16 September<br>Sports Day                 | 17 September                             | 18 September                | 19 September               | 20 September                        | 21 September                       | 22 September |
| 37  | 3                | +               | 23 September                               | 24 September                             | 25 September                | 26 September               | 27 September                        | 28 September                       | 29 September |
| 38  | 4                | #               | 30 September                               | 1 October                                | 2 October                   | 3 October                  | 4 October                           | 5 October                          | 6 October    |
| 39  | 5                | +               | 7 October                                  | 8 October                                | 9 October                   | 10 October                 | 11 October                          | 12 October                         | 13 October   |
| 40  | 6                | #               | 14 October                                 | 15 October                               | 16 October                  | 17 October                 | 18 October                          | 19 October                         | 20 October   |
| 41  | 7                | +               | 21 October                                 | 22 October                               | 23 October<br>National Day  | 24 October                 | 25 October                          | 26 October                         | 27 October   |
| 42  | 8                | #               | 28 October                                 | 29 October                               | 30 October                  | 31 October                 | 1 November<br>All Saints' Day       | 2 November                         | 3 November   |
| 43  | 9                | +               | 4 November                                 | 5 November                               | 6 November                  | 7 November                 | 8 November                          | 9 November                         | 10 November  |
| 44  | 10               | #               | 11 November                                | 12 November<br>Students' Scientific Con. | 13 November                 | 14 November                | 15 November                         | 16 November                        | 17 November  |
| 45  | 11               | +               | 18 November                                | 19 November                              | 20 November                 | 21 November                | 22 November<br>Open Day             | 23 November                        | 24 November  |
| 46  | 12               | #               | 25 November                                | 26 November                              | 27 November                 | 28 November                | 29 November                         | 30 November                        | 1 December   |
| 47  | 13               | +               | 2 December                                 | 3 December                               | 4 December                  | 5 December                 | 6 December                          | 7 December<br># Friday working day | 8 December   |
| 48  | 14               | #               | 9 December                                 | 10 December                              | 11 December                 | 12 December                | 13 December<br><b>End of semes.</b> | 14 December                        | 15 December  |
| 49  |                  | +               | 16 December                                | 17 December                              | 18 December                 | 19 December                | 20 December                         | 21 December<br>working day         | 22 December  |
| -----Completion week-----                 |                  |                 |  |  |                             |                            |                                     |                                    |              |
| 50  |                  | #               | 23 December<br><b>Start of exam period</b> | 24 December<br>rest-day                  | 25 December<br>Christmas    | 26 December<br>Christmas   | 27 December<br>rest-day             | 28 December                        | 29 December  |
| 51  |                  | +               | 30 December<br>Winter break                | 31 December<br>Winter break              | 1 January<br>New Year's Day | 2 January                  | 3 January                           | 4 January                          | 5 January    |
| 52  |                  | #               | 6 January                                  | 7 January                                | 8 January                   | 9 January                  | 10 January                          | 11 January                         | 12 January   |
| 53  |                  | +               | 13 January                                 | 14 January                               | 15 January                  | 16 January                 | 17 January                          | 18 January                         | 19 January   |
| 54  |                  | #               | 20 January                                 | 21 January                               | 22 January                  | 23 January                 | 24 January                          | 25 January                         | 26 January   |
| 55  |                  |                 | 27 January                                 | 28 January<br><b>End of exam period</b>  | 29 January<br>Winter break  | 30 January<br>Winter break | 31 January<br>Winter break          | 1 February                         | 2 February   |

Semester

Completion week

Exam. period

Holidays

## Pre-Engineering Courses in Civil Engineering

| Subjects                                     |              | Semesters (lectures) |   | Cross semester |
|--|--------------|----------------------|---|----------------|
| Name   | Code         | 1                    | 2 |                |
| Basic Mathematics I.                         | BMETETOPB22  | 4                    |   | Y              |
| Basic Informatics                            | BMEEOFTPRE1  | 4                    |   | N              |
| Engineering Sciences                         | BMETETOP117  | 4                    |   | N              |
| Technical Drawing                            | BMEEOMEPRE2  | 4                    |   | N              |
| Freehand Drawing for CE                      | BMEEPFRAG121 | 2                    |   | N              |
| Design Skills                                | BMEEPFRAG111 | 2                    |   | N              |
| Compulsory English for Pre-Eng. Students I.  | BMEGT63A201  | 6                    |   | N              |
| Basic Mathematics II.                        | BMETETOPB23  |                      | 5 | N              |
| Basic Mechanics                              | BMEEOTMPRE3  |                      | 5 | N              |
| Basic Surveying                              | BMEEOAFPRE4  |                      | 4 | N              |
| Basic Hydraulics                             | BMEEOVVPRE5  |                      | 2 | N              |
| Fundamental of Structures                    | BMEEPSTG201  |                      | 4 | N              |
| Compulsory English for Pre-Eng. Students II. | BMEGT63A202  |                      | 6 | N              |

**For students of BME of Civil Engineering only criteria subjects (no credit points)**  
**Students can enter the Bsc degree program only after completing all the subjects**  
**of the Pre-Engineering Courses in Civil Engineering**

|             | Pre-Engineering Courses in Civil Engineering         |  |   |  |
|-------------|--|--|---|--|
|             | Monday   | Tuesday  | Thursday  | Friday   |
| 8:15-9:00   | <b>Technical Drawing</b><br>BMEEOMEPRE2<br>K.138     | <b>C. English for PE. I.</b><br>BMEGT63A201<br>K.376 |   | <b>Technical Drawing</b><br>BMEEOMEPRE2<br>K.138     |
| 9:15-10:00  |  |  |   |  |
| 10:15-11:00 | <b>C. English for PE. I.</b><br>BMEGT63A201<br>K.376 |  | <b>Engineering Sciences</b><br>BMETETOP117<br>K.221 | <b>Basic Mathematics</b><br>BMETETOPB22<br>K.351A    |
| 11:15-12:00 |  |  |   |  |
| 12:15-13:00 | <b>Basic Mathematics</b><br>BMETETOPB22<br>K.351A    |  |   | <b>C. English for PE. I.</b><br>BMEGT63A201<br>K.376 |
| 13:15-14:00 |  |  |   |  |
| 14:15-15:00 |  | <b>Freehand Drawing CE</b><br>BMEEPFRAG121<br>K.3R1  |   |  |
| 15:15-16:00 |  |  | <b>Engineering Sciences</b><br>BMETETOP117<br>K.221 |  |
| 16:15-17:00 | <b>Basic Informatics</b><br>BMEEOFTPRE1<br>K.183b    | <b>Design Skills</b><br>BMEEPSTG201<br>K.3R1         |   |  |
| 17:15-18:00 |  |  |   |  |
|             | EMK  | EPK  | TTK   | GTK  |

## Curriculum of BSc in Civil Engineering, Branch of Structural Engineering, Major of Buildings

| Subjects   |             | Semesters (lecture/seminar/exam/credits) |           |           |           |           |           |           |           | Pre-requisites |              |               |
|--|-------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|--------------|---------------|
| Name   | Code        | 1  | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 1              | 2            | 3             |
| Compulsory English 1.                              | BMEGT63A3E1 | 0/4/t/4                                  |           |           |           |           |           |           |           |                |              |               |
| Compulsory English 2.                              | BMEGT63A3E2 |  | 0/4/t/4   |           |           |           |           |           |           |                |              |               |
| Communication Skills for Civil Engineers           | BMEGT60A6EO |  |           | 0/2/t/2   |           |           |           |           |           |                |              |               |
| Mathematics A1a - Calculus                         | BMETE90AX00 | 4/2/e/6                                  |           |           |           |           |           |           |           |                |              |               |
| Mathematics A2a - Vector Functions                 | BMETE90AX02 |  | 4/2/e/6   |           |           |           |           |           |           | Math1          |              |               |
| Mathematics A3 for Civil Engineers                 | BMETE90AX07 |  |           | 2/2/e/4   |           |           |           |           |           | Math2          |              |               |
| Physics for Civil Engineers                        | BMETE11AX13 |  | 2/0/t/2   |           |           |           |           |           |           | Math1          |              |               |
| Civil Eng. Representation and Drawing              | BMEEOMEAT01 | 2/2/t/4                                  |           |           |           |           |           |           |           |                |              |               |
| Chemistry of Construction Materials                | BMEEOEMAT02 | 2/0/t/2                                  |           |           |           |           |           |           |           |                |              |               |
| Statics  | BMEEOTMAT03 | 2/3/e/6                                  |           |           |           |           |           |           |           |                |              |               |
| Strength of Materials                              | BMEEOTMAT04 |  | 3/3/e/6   |           |           |           |           |           |           | Math1          | AT03         |               |
| Dynamics   | BMEEOTMAT05 |  |           | 2/1/e/3   |           |           |           |           |           | AT04           |              |               |
| Technical Informatics                              | BMEEOFTAT06 | 1/1/t/2                                  |           |           |           |           |           |           |           |                |              |               |
| Civil Engineering Informatics                      | BMEEOFTAT31 |  | 2/2/t/5   |           |           |           |           |           |           | AT06           |              |               |
| Surveying I.                                       | BMEEOAFAT08 | 2/2/t/4                                  |           |           |           |           |           |           |           |                |              |               |
| Surveying II.                                      | BMEEOAFAT09 |  | 1/2/e/3   |           |           |           |           |           |           | AT08           |              |               |
| Introduction to Geoinformatics                     | BMEEOFTAT10 |  |           | 2/1/t/3   |           |           |           |           |           | AT31           | AT09         |               |
| Geology  | BMEEOEMAT11 | 1/2/e/3                                  |           |           |           |           |           |           |           |                |              |               |
| Construction Materials I.                          | BMEEOEMAT12 |  |           | 1/2/t/3   |           |           |           |           |           | AT02           |              |               |
| Soil Mechanics                                     | BMEEOGTAT13 |  |           | 2/2/e/4   |           |           |           |           |           | AT04           | AT11         |               |
| Earthworks   | BMEEOGTAT14 |  |           |           | 2/1/e/3   |           |           |           |           | AT13           |              |               |
| Foundation Engineering                             | BMEEOGTAT15 |  |           |           |           | 2/1/e/4   |           |           |           | AT14           |              |               |
| Basis of Design                                    | BMEEOHSAT16 |  |           | 2/0/t/2   |           |           |           |           |           | AT04           |              |               |
| Steel Structures I.                                | BMEEOHSAT17 |  |           |           | 2/1/t/3   |           |           |           |           | Math2          | AT12         | AT16          |
| Reinforced Concrete Structures I.                  | BMEEOHSAT18 |  |           |           | 2/1/e/4   |           |           |           |           | Math2          | AT12         | AT16          |
| Timber and Masonry Structures                      | BMEEOHSAT19 |  |           | 2/1/t/3   |           |           |           |           |           | AT04           | AT12         |               |
| Building Construction Study                        | BMEEOMEAT20 |  | 2/1/t/3   |           |           |           |           |           |           | AT01           |              |               |
| Roads  | BMEEOUVAT21 |  |           | 2/1/t/3   |           |           |           |           |           | AT09           |              |               |
| Railway Tracks                                     | BMEEOUVAT22 |  |           |           | 2/1/e/3   |           |           |           |           | AT09           |              |               |
| Basics of Environmental Engineering                | BMEEOVKAT23 |  |           |           | 2/0/t/2   |           |           |           |           |                |              |               |
| Public Works                                       | BMEEOVKAT24 |  |           | 2/2/e/4   |           |           |           |           |           | AT25           | AT26         |               |
| Hydrology I.                                       | BMEEOVVAT25 | 2/1/e/3                                  |           |           |           |           |           |           |           |                |              |               |
| Hydraulics I.                                      | BMEEOVVAT26 |  | 2/1/e/3   |           |           |           |           |           |           |                |              |               |
| Hydraulic Engineering, Water Management            | BMEEOVVAT27 |  |           |           | 2/2/t/4   |           |           |           |           | AT25           | AT26         |               |
| Micro- and Macroeconomics                          | BMEGT30A001 |  |           |           |           |           | 4/0/e/4   |           |           |                |              |               |
| Management and Enterprise                          | BMEGT20A001 |  |           |           |           |           |           | 4/0/t/4   |           |                |              |               |
| Business Law                                       | BMEGT55A001 |  |           |           | 2/0/t/2   |           |           |           |           |                |              |               |
| Urban and Regional Development                     | BMEEOUVAT28 |  |           |           |           | 3/0/t/3   |           |           |           | AT26           |              |               |
| Theory of Administration, Real-estate Registration | BMEEOUVAT29 |  |           |           |           |           |           | 3/0/t/3   |           |                |              |               |
| Construction Management - Estimates                | BMEEPEKAS01 |  |           |           |           | 1/2/t/3   |           |           |           | AT13           | AT18         |               |
| Construction Management - Contracting              | BMEEPEKAS02 |  |           |           |           |           | 0/2/e/2   |           |           | AS01           |              |               |
| Rock Mechanics                                     | BMEEOEMAS03 |  |           |           |           |           | 1/1/t/2   |           |           | AT11           | AT19         |               |
| Construction Materials II.                         | BMEEOEMAS04 |  |           |           |           | 2/2/e/4   |           |           |           | AT12           |              |               |
| Structural Analysis                                | BMEEOTMAS05 |  |           |           | 2/3/e/5   |           |           |           |           | Math2          | AT04         |               |
| Finite Element Modelling                           | BMEEOTMAS06 |  |           |           |           | 1/2/t/4   |           |           |           | AS05           |              |               |
| Steel Structures II.                               | BMEEOHSAS07 |  |           |           |           | 2/1/t/4   |           |           |           | AT17           | AS05         |               |
| Reinforced Concrete Structures II.                 | BMEEOHSAS08 |  |           |           |           | 2/2/e/4   |           |           |           | AT18           | AS05         |               |
| Bridge Construction                                | BMEEOHSAS09 |  |           |           |           |           | 2/1/e/4   |           |           | AS07           | AS08         |               |
| Constructional Technology                          | BMEEOHSAS10 |  |           |           |           |           | 1/2/t/3   |           |           | AS07           | AS08         |               |
| Underground Structures, Deep Foundation            | BMEEOGTAS11 |  |           |           |           |           | 3/1/t/4   |           |           | AT15           |              |               |
| Building Construction I.                           | BMEEOMEAS12 |  |           |           | 2/1/t/4   |           |           |           |           | AT20           |              |               |
| Building Construction II.                          | BMEEOMEAS13 |  |           |           |           | 2/1/e/3   |           |           |           | AS12           |              |               |
| Residential Building Design                        | BMEEOMEAS14 |  |           |           |           |           | 1/2/t/3   |           |           | AS13           |              |               |
| Surveying Field Course                             | BMEEOAFAT30 |  | 9n/t/3    |           |           |           |           |           |           | AT09!          |              |               |
| Laboratory Practice of Testing of Str.&Mat.        | BMEEOHSAS15 |  |           |           |           |           |           | 9n/t/3    |           | AT19           | AS07         | AS08          |
| Field Course of Structure Geodesy                  | BMEEOAFAS16 |  |           |           |           | 3n/t/1    |           |           |           | AT17           | AT18         | AT30          |
| Industrial Practice                                | BMEEODHAS17 |  |           |           |           |           | 4weeks    |           |           | AS01!          |              |               |
| Steel Buildings                                    | BMEEOHSASA1 |  |           |           |           |           |           | 2/2/e/5   |           | AS07           |              |               |
| Reinforced Concrete Buildings                      | BMEEOHSASA2 |  |           |           |           |           | 2/2/e/5   |           |           | AS08           |              |               |
| Timber Structures                                  | BMEEOHSASA3 |  |           |           |           |           |           | 2/1/t/3   |           | AT19           |              |               |
| Strengthening of Structures                        | BMEEOHSASA4 |  |           |           |           |           |           | 1/1/e/2   |           | AS08           |              |               |
| Composite Building Structures                      | BMEEOHSASA5 |  |           |           |           |           |           | 1/1/e/2   |           | AS07           |              |               |
| Industrial and Agricultural Building Design        | BMEEOMEASA6 |  |           |           |           |           | 1/2/e/3   |           |           | AS13           |              |               |
| Elective subject                                   | BME****A*** |  |           |           |           |           |           | 4cr.      |           |                |              |               |
| Diploma project                                    | BMEEODHASDM |  |           |           |           |           |           |           | 24cr.     |                | min. 204 cr. |               |
| <b>Total credits</b>                               |             | <b>34</b>                                | <b>35</b> | <b>31</b> | <b>30</b> | <b>30</b> | <b>30</b> | <b>26</b> | <b>24</b> | <b>Total</b>   |              | <b>240cr.</b> |

### Elective subjects:

|  |             |  |  |  |  |  |  |         |  |      |  |  |
|--|-------------|--|--|--|--|--|--|---------|--|------|--|--|
| Surveying for Engineering Planning         | BMEEOAFASI2 |  |  |  |  |  |  | 2/2/e/4 |  | AT30 |  |  |
| Beginners' Hungarian Course                | BMEGT658151 |  |  |  |  |  |  | 0/4/t/4 |  |      |  |  |
| Hungarian Culture (in English)             | BMEGT658361 |  |  |  |  |  |  | 0/2/t/2 |  |      |  |  |
| Sociology                                  | BMEGT43A002 |  |  |  |  |  |  | 0/2/t/2 |  |      |  |  |
| Theory and Practice of Environmental Econ. | BMEGT42N000 |  |  |  |  |  |  | 3/0/e/4 |  |      |  |  |

| 2013/14 1st Semester |                                   | BSc Civil Engineering 1st year       |                                   |                                      | students                                  |
|----------------------|-----------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|---|
| Monday               |                                   | Tuesday                              | Wednesday                         | Thursday                             | Friday                                    |
| 8:15-<br>-10:00      | A1 Compulsory English 1.<br>K.372 | <b>Chemistry of Const.M</b><br>MM105 | <b>+Geology</b><br>MM.P           | <b>+ Tech. Informatics</b><br>K.183b |   |
|                      |                                   |                                      |                                   | #A1 Tech. Informatics<br>K.183b      |   |
| 10:15-<br>-12:00     |                                   | <b>Mathematics A1a</b><br>K.376      | <b>Mathematics A1a</b><br>K.373   | +A1 Statics<br>K.mf78                | #A1 Hydrology I<br>K.f15                  |
| 12:15-<br>-14:00     | A1 Geology<br>MM.P                | <b>Surveying I.</b><br>K.mf22        | A1 Statics<br>K.mf78              |                                      | A1 Mathematics A1a<br>K.376               |
| 14:15-<br>-16:00     | <b>Statics</b><br>K.mf78          | A1 Surveying I.<br>K.mf22            | A1 Compulsory English 1.<br>K.376 | <b>Hydrology I</b><br>K.f15          | A1 Civil Eng. Represent.<br>K.138         |
| 16:15 -<br>18:15 -   |                                   |                                      | Home Class                        |                                      | <b>Civil Eng. Representation</b><br>K.138 |

| 2013/14 1st Semester |                                 | BSc Civil Engineering 2nd year        |                                   |                                     | students                                |
|----------------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------------------------|---|
| Monday               |                                 | Tuesday                               | Wednesday                         | Thursday                            | Friday                                  |
| 8:15-<br>-10:00      | <b>Roads</b><br>K.f99           | Public Works<br>K.375                 | +A1 Dynamics<br>K.mf78            | A1 CE Mathematics A3<br>K.375       | <b>Timber&amp;Masonry Str.</b><br>EL111 |
|                      |                                 |                                       | #Constr. Materials I.<br>MM.P     |                                     |   |
| 10:15-<br>-12:00     | <b>Soil Mechanics</b><br>K.mf21 | <b>Basis of Design</b><br>K.371       | <b>CE Mathematics A3</b><br>K.376 | +A1 Intro. Geoinformatics<br>K.183b | +A1 Timber&Masonry Str.<br>EL111        |
| 12:15-<br>-14:00     | <b>Dynamics</b><br>K.mf78       | <b>Intro Geoinformatics</b><br>K.183b |                                   | A1 Constr. Materials I.<br>MM.P     | A1 Soil Mechanics<br>K.mf21             |
| 14:15-<br>-16:00     | <b>Public Works</b><br>K.mf31   |                                       | #A1 Roads<br>K.374                | A1 Commun. Skills for CE<br>K.376   |   |

| 2013/14 1st Semester                 |                                     | BSc Branch of Structural Engineering 3rd year |  |   | students   |
|--------------------------------------|-------------------------------------|---|--|---|--|
| Monday                               |                                     | Tuesday                                       | Wednesday                                  | Thursday                                  | Friday   |
| 8:15-<br>-10:00                      | <b>Urban and Reg. Dev.</b><br>K.f86 | <b>RC Structures II.</b><br>EL111             | A1 Finite Element Mod.<br>K.mf21           | <b>Building Construction II.</b><br>K.376 | + A1 Foundation Eng.<br>K.mf21                   |
|                                      |                                     | A1 RC Structures II.<br>EL111                 | <b>+Finite Element Mod.</b><br>K.374       | A1 Construction Materials II<br>MM.L3     | <b>Foundation Eng.</b><br>K.mf21                 |
| <b>Steel Structures II.</b><br>EL111 | A1 Constr. Management<br>K.375      | #Constr. Management<br>K.374                  |  |   |  |
| 12:15-<br>-14:00                     |                                     | A1 Steel Structures II.<br>EL111              | <b>Construction Materials II.</b><br>MM.L2 |   | +A1 Building Constr. II.<br>K.138                |
| 14:15-<br>-16:00                     |                                     |   |  |   | <b>+Field C. of Str.Geod.</b><br>K.mf22<br>14-18 |

| 2013/14 1st Semester |   | BSc Branch of Structural Engineering 4th year     |   |   | students |
|----------------------|---|---|---|---|----------|
| Monday               |   | Tuesday   | Wednesday                                 | Thursday                                  | Friday   |
| 8:15-<br>-10:00      | <b>Man. &amp; Business Econ.</b><br>K.f88 | <b>Surveying for Eng. Pl.</b><br>TSZ              | <b>Composite Building Str.</b>            | <b>+Strength. of Structures</b>           |          |
|                      |   |   | Composite Building Str.                   | #Strength. of Structures                  |          |
| 10:15-<br>-12:00     |   | <b>Surveying for Eng. Pl.</b><br>TSZ              | <b>Steel Buildings</b><br>EL111           | <b>Timber Structures</b><br>EL111         |          |
| 12:15-<br>-14:00     |   |   | A1 Steel Buildings<br>EL111               | A1 Timber Structures                      |          |
| 14:00-<br>-16:00     |   | Testing of Str. & Materials<br>14-20 EL111 & MM.P | <b>Man. &amp; Business Econ.</b><br>K.f88 | <b>Th. of Adm., Real Est. R.</b><br>K.f99 |          |
| 16:00-<br>-18:00     |   |   |   |   |          |

|                   |                        |                     |
|-------------------|------------------------|---------------------|
| Civil Engineering | Structural Engineering | <b>Bsc elective</b> |
|-------------------|------------------------|---------------------|

## Curriculum of MSc in Structural Engineering, Major in Computational Structural Engineering

| Subjects                              |             | Semesters (lect/sem/exams/credits) |         |         | Pre-requisites |   |
|---------------------------------------|-------------|------------------------------------|---------|---------|----------------|---|
| Név                                   | Kód         | 1                                  | 2       | 3       | 1              | 2 |
| Advanced Mathematics                  | BMETE90MX33 | 2/1/e/3                            |         |         |                |   |
| Physisc Laboratory                    | BMETE11MX22 |                                    | 0/1/t/1 |         |                |   |
| Numerical Methods                     | BMEEOFTMKT2 |                                    | 1/2/e/3 |         |                |   |
| Database Systems                      | BMEEOFTMKT3 | 2/0/t/2                            |         |         |                |   |
| Advanced Mechanics                    | BMEEOTMMST9 | 2/2/e/4                            |         |         |                |   |
| Finite Element Method I.              | BMEEOTMMST0 | 2/0/e/2                            |         |         |                |   |
| FEM Modelling of Structures           | BMEEOHSMB01 | 5d/t/2                             |         |         | MST01          |   |
| Management Accounting and Controlling | BMEGT35M410 |                                    |         | 3/0/t/4 |                |   |
| Engineering Ethics                    | BMEGT41M004 |                                    |         | 2/0/t/2 |                |   |
| Decision Supporting Methods           | BMEEPEKMST4 | 2/0/t/2                            |         |         |                |   |
| Structural Reliability                | BMEEOHSMST5 | 2/0/t/2                            |         |         |                |   |
| Structural Dynamics                   | BMEEOTMMB02 | 2/2/t/5                            |         |         |                |   |
| Stability of Structures               | BMEEOTMMB03 | 2/2/e/5                            |         |         |                |   |
| Material Models and Plasticity        | BMEEOTMMB04 |                                    | 2/1/t/4 |         |                |   |
| Finite Element Method II.             | BMEEOTMMB05 |                                    | 2/1/e/4 |         | MB01           |   |
| <b>Differentiated Subjects</b>        |             | 3 cr.                              | 17 cr.  |         |                |   |
| <b>Elective Subjects</b>              |             |                                    |         | 5 cr.   |                |   |
| <b>Diploma Project</b>                | BMEEODHMSDM |                                    |         | t/20    |                |   |
| Total credits                         |             | 30                                 | 29      | 31      |                |   |
| Exams                                 |             | 4                                  | 4       | 0       |                |   |

### Differentiated Subjects

|                                    |             |         |         |  |      |      |
|------------------------------------|-------------|---------|---------|--|------|------|
| Numerical Models for Structures    | BMEEOTMMB06 |         | 2/0/t/3 |  |      |      |
| Structural Analysis Theory         | BMEEOTMMB07 | 1/1/t/3 |         |  |      |      |
| Seismic Design                     | BMEEOHSMC03 |         | 1/1/t/3 |  | MB02 |      |
| Conceptual Design                  | BMEEOHSMB08 |         | 2/0/t/3 |  |      |      |
| FEM Based Structural Design        | BMEEOHSMB09 |         | 1/2/t/4 |  | MB01 | MB03 |
| Geotechnical Design                | BMEEOGTMC11 |         | 2/1/e/4 |  |      |      |
| Numerical Modelling in Geotechnics | BMEEOGTMC05 |         | 1/1/t/3 |  |      |      |
| Extreme Actions of Structures      | BMEEOHSMB10 | 2/0/t/3 |         |  |      |      |
| Fracture Mechanics and Fatigue     | BMEEOHSMB11 |         | 3/0/e/4 |  |      |      |

**Min. 20 credits (from 30) of differentiated subjects have to be completed!**

|             | 2013/14/1st Semester | MSc in Computational Structural Engineering Fall semester     |  |  |  |
|-------------|----------------------|---|--|--|--|
|             | Monday               | Tuesday   | Wednesday  | Thursday   | Friday   |
| 8:15-9:00   |                      |   |  | A1 Advanced Mechanics  | <b>Extr. Actions of Str.</b><br>BMEEOHSMB10<br>EA<br>K.mf78  |
| 9:15-10:00  |                      |   |  |  | <b>Structural Reliability</b><br>BMEEOHSMST5<br>EA<br>K.mf78 |
| 10:15-11:00 |                      | <b>Structural Dynamics</b><br>BMEEOTMMB02<br>EA<br>K.mf78     | A1 Stability os Structures<br>K.mf78                     |  |  |
| 11:15-12:00 |                      |   |  |  |  |
| 12:15-13:00 |                      | <b>Stability of Structures</b><br>BMEEOTMMB03<br>EA<br>K.mf78 |  | <b>Finite Element Method I.</b><br>BMEEOTMMST0<br>EA<br>K.mf78 | A1 Structural Dynamics<br>K.mf78                             |
| 13:15-14:00 |                      |   |  |  |  |
| 14:15-15:00 |                      |   | <b>Advanced Mechanics</b><br>BMEEOTMMST9<br>EA<br>K.mf78 |  |  |
| 15:15-16:00 |                      |   |  |  |  |
| 16:15-17:00 |                      |   | <b>Structural A. Theory</b><br>BMEEOTMMB05<br>EA, K.mf78 |  |  |
| 17:15-18:00 |                      |   | A1 Structural A. Theory                                  |  |  |