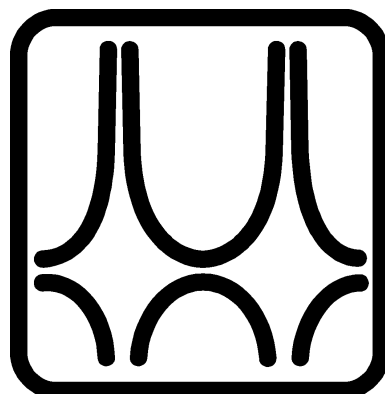




**Budapest University of Technology and Economics**

# Timetable

**Year 2017/18 - 2nd Semester**



**Faculty of Civil Engineering**

BSc-MSc course year 2017/18 2nd semester calendar

| Week  | Educational week | Event(#!/Odd(+)) | Monday                                       | Tuesday                                   | Wednesday   | Thursday                     | Friday                                       | Saturday                           | Saunday             |
|---|------------------|------------------|--|---|-------------|------------------------------|--|------------------------------------|---------------------|
| 5   |                  |                  | 29 January                                   | 30 January                                | 31 January  | 1 February                   | 2 February                                   | 3 February                         | 4 February          |
| ----- Registration week, registration ----- |                  |                  |  |   |             |                              |  |                                    |                     |
| 6   | 1                | +                | 5 February<br><b>Start of semes.</b>         | 6 February                                | 7 February  | 8 February                   | 9 February                                   | 10 February                        | 11 February         |
| 7   | 2                | #                | 12 February                                  | 13 February                               | 14 February | 15 February                  | 16 February                                  | 17 February                        | 18 February         |
| 8   | 3                | +                | 19 February                                  | 20 February                               | 21 February | 22 February                  | 23 February                                  | 24 February                        | 25 February         |
| 9   | 4                | #                | 26 February                                  | 27 February                               | 28 February | 1 March                      | 2 March                                      | 3 March                            | 4 March             |
| 10  | 5                | +                | 5 March                                      | 6 March                                   | 7 March     | 8 March                      | 9 March                                      | 10 March<br>#Friday<br>working day | 11 March            |
| 11  | 6                | #                | 12 March                                     | 13 March                                  | 14 March    | 15 March<br>National holiday | 16 March<br>rest-day                         | 17 March                           | 18 March            |
| 12  | 7                | +                | 19 March                                     | 20 March                                  | 21 March    | 22 March                     | 23 March                                     | 24 March                           | 25 March            |
| 13  | 8                | #                | 26 March                                     | 27 March                                  | 28 March    | 29 March                     | 30 March<br>Good Friday                      | 31 March                           | 1 April<br>Easter   |
| 14  |                  |                  | 2 April<br>Easter                            | 3 April                                   | 4 April     | 5 April                      | 6 April                                      | 7 April                            | 8 April             |
| ----- Spring Break -----                    |                  |                  |  |   |             |                              |  |                                    |                     |
| 15  | 9                | +                | 9 April                                      | 10 April                                  | 11 April    | 12 April                     | 13 April                                     | 14 April                           | 15 April            |
| <----- Vásárhelyi Napok ----->              |                  |                  |  |   |             |                              |  |                                    |                     |
| 16  | 10               | #                | 16 April                                     | 17 April                                  | 18 April    | 19 April                     | 20 April                                     | 21 April<br>#Monday<br>working day | 22 April<br>Easter  |
| 17  | 11               | +                | 23 April                                     | 24 April                                  | 25 April    | 26 April                     | 27 April                                     | 28 April                           | 29 April            |
| 18  | 12               | #                | 30 April<br>rest-day                         | 1 May<br>Workers' Day                     | 2 May       | 3 May                        | 4 May  | 5 May                              | 6 May               |
| 19  | 13               | +                | 7 May  | 8 May                                     | 9 May       | 10 May                       | 11 May                                       | 12 May                             | 13 May              |
| 20  | 14               | #                | 14 May                                       | 15 May                                    | 16 May      | 17 May                       | 18 May<br><b>End of semes.</b>               | 19 May                             | 20 May<br>Pentecost |
| 21  |                  |                  | 21 May<br>Pentecost                          | 22 May                                    | 23 May      | 24 May                       | 25 May                                       | 26 May                             | 27 May              |
| ----- Completion week -----                 |                  |                  |  |   |             |                              |  |                                    |                     |
| 22  |                  |                  | 28 May                                       | 29 May<br><b>Start of<br/>exam period</b> | 30 May      | 31 May                       | 1 June                                       | 2 June                             | 3 June              |
| 23  |                  |                  | 4 June                                       | 5 June                                    | 6 June      | 7 June                       | 8 June                                       | 9 June                             | 10 June             |
| 24  |                  |                  | 11 June                                      | 12 June                                   | 13 June     | 14 June                      | 15 June                                      | 16 June                            | 17 June             |
| 25  |                  |                  | 18 June                                      | 19 June                                   | 20 June     | 21 June                      | 22 June                                      | 23 June                            | 24 June             |
| 26  |                  |                  | 25 June<br><b>End of MSc<br/>exam period</b> | 26 June                                   | 27 June     | 28 June                      | 29 June<br><b>End of BSc<br/>exam period</b> | 30 June                            | 1 July              |

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              |
| Year 2017/18 - 2nd Semester                  | BMEEOFTPRE1  | 4                    |   | N              |
| Engineering Sciences                         | BMETETOP117  | 4                    |   | N              |
| Technical Drawing                            | BMEEOEMPRES2 | 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                              | BMEEOAFPRES4 |                      | 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   | Wednesday   | Thursday  | Friday   |
| 8:15-9:00   |  |   | <b>Basic Mechanics</b><br>BMEEOFTPRE3<br>K.375        | <b>Basic Surveying</b><br>BMEEOFTPRE4<br>K.f27a       |  |
| 9:15-10:00  |  |   |   |   |  |
| 10:15-11:00 |  |   | <b>Basic Surveying</b><br>BMEEOFTPRE4<br>K.f27a       |   | <b>Basic Mechanics</b><br>BMEEOFTPRE3<br>K.375       |
| 11:15-12:00 |  |   |   |   |  |
| 12:15-13:00 |  | <b>Fundamental of Struct.</b><br>BMEEPSTG201<br>K.221 | <b>C. English for PE. II.</b><br>BMEGT63A202<br>K.374 | <b>C. English for PE. II.</b><br>BMEGT63A202<br>K.374 | <b>Basic Mathematics II.</b><br>BMETETOPB23<br>K.375 |
| 13:15-14:00 |  |   |   |   |  |
| 14:15-15:00 |  |   |   |   |  |
| 15:15-16:00 |  | <b>Basic Mathematics II.</b><br>BMETETOPB23<br>K.376  | <b>Basic Hydraulics</b><br>BMEEOFTPRE5<br>K.f15       | <b>Fundamental of Struct.</b><br>BMEEPSTG201<br>K.221 |  |
| 16:15-17:00 |  |   |   |   |  |
| 17:15-18:00 |  |   | <b>Basic Mathematics I.</b><br>BMETETOPB22<br>K.376   | <b>Basic Mathematics I.</b><br>BMETETOPB22<br>K.376   |  |
| 18:15-19:00 |  |   |   |   |  |

|     |     |     |     |                |
|-----|-----|-----|-----|----------------|
| EMK | EPK | TTK | GTK | Cross-semester |
|-----|-----|-----|-----|----------------|

CIVIL ENGINEERING BSC FROM 2017 - SPECIALIZATION IN STRUCTURAL ENGINEERING

| Subject name  | Code         | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester | semesters |    |    |    |    |    |            |                              | Preliminary requirement(s) |  |  |
|---|--------------|--------|---------|---------|------------|--------------|-----|-------|----------|-----------|----|----|----|----|----|------------|------------------------------|----------------------------|--|--|
|   |              |        |         |         |            |              |     |       |          | 1         | 2  | 3  | 4  | 5  | 6  | 7          | 8                            |                            |  |  |
|   |              |        |         |         |            |              |     |       |          |           |    |    |    |    |    |            |                              |                            |  |  |
| <b>Basic subjects</b>                                 |              |        |         |         |            |              |     |       |          |           |    |    |    |    |    |            |                              |                            |  |  |
| Compulsory English 1.                                 | BMEGT63A3E1  | 4      |         | 4       |            |              |     | M     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Surveying I.  | BMEEOAFAT41  | 3      | 1       | 2       |            |              |     | M     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Chemistry of Construction Materials                   | BMEEOEMAT41  | 2      | 2       |         |            |              |     | M     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Civil Engineering Representation and Drawing          | BMEEOEMAT42  | 4      | 2       | 2       |            |              |     | M     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| CAD for Civil Engineers                               | BMEEOFTAT41  | 2      |         | 2       |            |              |     | M     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Geology   | BMEEOGMAT41  | 3      | 1       | 2       |            |              |     | E     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Basis of Statics and Dynamics                         | BMEEOTMAT41  | 6      |         | 5       |            |              |     | E     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Mathematics A1a - Calculus                            | BMETE90AX00  | 6      | 4       | 2       |            |              |     | E     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Physics for Civil Engineers                           | BMETE11AX13  | 2      | 2       |         |            |              |     | M     | 1        | X         |    |    |    |    |    |            |                              |                            |  |  |
| Compulsory English 2.                                 | BMEGT63A3E2  | 4      |         | 4       |            |              |     | M     | 2        |           | X  |    |    |    |    |            |                              |                            |  |  |
| Surveying II.   | BMEEOAFAT42  | 4      | 2       | 2       |            |              |     | E     | 2        |           | X  |    |    |    |    | EOAFAT41   | EOFTAT41                     |                            |  |  |
| Construction Materials I.                             | BMEEOEMAT43  | 5      | 2       |         | 2          |              |     | E     | 2        |           | X  |    |    |    |    | EOEMAT41   |                              |                            |  |  |
| Civil Engineering Informatics                         | BMEEOFTAT42  | 5      | 2       | 2       |            |              |     | M     | 2        |           | X  |    |    |    |    | EOFTAT41   |                              |                            |  |  |
| Building Construction Study                           | BMEEOEMAT44  | 3      | 1       | 2       |            |              |     | M     | 2        |           | X  |    |    |    |    | EOEMAT42   |                              |                            |  |  |
| Introduction to Strength of Materials                 | BMEEOTMAT42  | 6      |         | 5       |            |              |     | M     | 2        |           | X  |    |    |    |    | EOTMAT41   | TE90AX00~                    |                            |  |  |
| Hydraulics I.   | BMEEOVVAT42  | 3      | 2       | 1       |            |              |     | E     | 2        |           | X  |    |    |    |    |            |                              |                            |  |  |
| Mathematics A2a - Vector Functions                    | BMETE90AX02  | 6      | 4       | 2       |            |              |     | E     | 2        |           | X  |    |    |    |    | TE90AX00   |                              |                            |  |  |
| Surveying Field Course                                | BMEEOAFAT43  | 3      |         |         |            |              | 9   | M     | 3        |           |    | X  |    |    |    | EOAFAT42!~ |                              |                            |  |  |
| Soil Mechanics  | BMEEOGMAT42  | 4      | 2       | 2       |            |              |     | M     | 3        |           |    | X  |    |    |    | EOGMAT41   | EOTMAT42                     |                            |  |  |
| Geoinformatics  | BMEEOFTAT43  | 3      | 2       | 1       |            |              |     | M     | 3        |           |    | X  |    |    |    | EOAFAT42   |                              |                            |  |  |
| Basis of Design                                       | BMEEOHSAT41  | 3      | 2       |         |            |              |     | M     | 3        |           |    | X  |    |    |    | EOTMAT41   |                              |                            |  |  |
| Structural Analysis I.                                | BMEEOTMAT43  | 4      | 4       |         |            |              |     | E     | 3        |           |    | X  |    |    |    | EOTMAT42   | TE90AX00                     |                            |  |  |
| Railway Tracks  | BMEEOUVAT41  | 3      | 3       |         |            |              |     | E     | 3        |           |    | X  |    |    |    | EOAFAT41   |                              |                            |  |  |
| Basics of Environmental Engineering                   | BMEEOVKAT41  | 3      | 2       |         |            |              |     | M     | 3        |           |    | X  |    |    |    |            |                              |                            |  |  |
| Public Works I.                                       | BMEEOVKAT42  | 3      | 2       | 1       |            |              |     | E     | 3        |           |    | X  |    |    |    | EOVVAT42   |                              |                            |  |  |
| Hydrology I.  | BMEEOVVAT41  | 3      | 2       | 1       |            |              |     | M     | 3        |           |    | X  |    |    |    |            |                              |                            |  |  |
| Mathematics A3 for Civil Engineers                    | BMETE90AX07  | 4      | 2       | 2       |            |              |     | E     | 3        |           |    | X  |    |    |    | TE90AX02   |                              |                            |  |  |
| Earthworks  | BMEEOGMAT43  | 3      | 2       | 1       |            |              |     | E     | 4        |           |    |    | X  |    |    | EOGMAT42   |                              |                            |  |  |
| Steel Structures                                      | BMEEOHSAT42  | 3      | 3       |         |            |              |     | M     | 4        |           |    |    | X  |    |    | EOTMAT42   | EOEMAT43~ EOHSAT41           |                            |  |  |
| Reinforced Concrete Structures                        | BMEEOHSAT43  | 3      | 3       |         |            |              |     | M     | 4        |           |    |    | X  |    |    | EOTMAT42   | EOEMAT43~ EOHSAT41           |                            |  |  |
| Roads   | BMEEOUVAT42  | 2      | 2       |         |            |              |     | M     | 4        |           |    |    | X  |    |    | EOUVAT41   |                              |                            |  |  |
| Hydraulic Engineering, Water Manag.                   | BMEEOVVAT43  | 3      | 2       | 1       |            |              |     | E     | 4        |           |    |    | X  |    |    | EOVVAT41   | EOVVAT42                     |                            |  |  |
| Construction Management                               | BMEEPEKAT41  | 3      | 2       | 1       |            |              |     | M     | 4        |           |    |    | X  |    |    | EOEMAT44   | EOGMAT42                     |                            |  |  |
| Business Law  | BMEGT55A001  | 2      | 2       |         |            |              |     | M     | 4        |           |    |    | X  |    |    |            |                              |                            |  |  |
| Foundation Engineering                                | BMEEOGMAT45  | 4      | 2       | 1       |            |              |     | E     | 5        |           |    |    |    | X  |    | EOGMAT43   |                              |                            |  |  |
| Management and Enterprise                             | BMEGT20A001  | 4      | 4       |         |            |              |     | M     | 5        |           |    |    |    | X  |    |            |                              |                            |  |  |
| Micro- and Macroeconomics                             | BMEGT30A001  | 4      | 4       |         |            |              |     | E     | 6        |           |    |    |    |    | X  |            |                              |                            |  |  |
| Communication Skills for Civil Engineers              | BMEGT60A6EO  | 2      | 2       | 2       |            |              |     | M     | 6        |           |    |    |    |    | X  |            |                              |                            |  |  |
| Urban and Regional Development                        | BMEEOUVAT43  | 3      | 2       |         |            |              |     | M     | 7        |           |    |    |    |    |    | X          |                              |                            |  |  |
| Elective subject                                      |              | 4      | 4       |         |            |              |     | M     | 7        |           |    |    |    |    |    |            | X                            |                            |  |  |
| <b>Branch of Structural Engineering</b>               |              |        |         |         |            |              |     |       |          |           |    |    |    |    |    |            |                              |                            |  |  |
| Building Construction I.                              | BMEEOEMAS42  | 3      | 1       | 2       |            |              |     | E     | 4        |           |    |    |    | X  |    | EOEMAT44   |                              |                            |  |  |
| Timber Structures                                     | BMEEOHSAS44  | 3      | 2       |         |            |              |     | M     | 4        |           |    |    |    | X  |    | EOTMAT42   | EOEMAT43 EOHSAT41            |                            |  |  |
| Strength of Materials                                 | BMEEOTMAS41  | 3      | 2       |         |            |              |     | E     | 4        |           |    |    | X  |    |    | EOTMAT43   |                              |                            |  |  |
| Construction Materials II.                            | BMEEOEMAS41  | 3      | 1       |         | 2          |              |     | E     | 5        |           |    |    |    | X  |    | EOEMAT43   |                              |                            |  |  |
| Building Construction II.                             | BMEEOEMAS43  | 3      | 1       | 2       |            |              |     | E     | 5        |           |    |    |    | X  |    | EOEMAS42   | EOHSAT41                     |                            |  |  |
| Steel and Composite Structures                        | BMEEOHSAS47  | 4      | 3       |         |            |              |     | M     | 5        |           |    |    |    | X  |    | EOHSAT42   | EOHSAT43                     |                            |  |  |
| RC and Masonry Structures                             | BMEEOHSAS42  | 4      | 2       | 1       |            |              |     | M     | 5        |           |    |    |    | X  |    | EOHSAT43   | EOEMAS42 EOTMAT43            |                            |  |  |
| Bridges and Infrastructures                           | BMEEOHSAS43  | 3      | 2       |         |            |              |     | E     | 5        |           |    |    |    | X  |    | EOHSAT42   | EOHSAT43                     |                            |  |  |
| Laboratory Practice of Testing of Structures and Mate | BMEEOHSAS46  | 2      |         |         | 4          |              |     | M     | 5        |           |    |    |    | X  |    | EOHSAT42   | EOHSAT43                     |                            |  |  |
| Structural Analysis II.                               | BMEEOTMAS42  | 4      | 3       | 1       |            |              |     | M     | 5        |           |    |    |    | X  |    | EOTMAS41   | TE90AX07                     |                            |  |  |
| Rock Mechanics  | BMEEOGMAS41  | 3      | 1       | 1       |            |              |     | M     | 6        |           |    |    |    |    | X  | EOGMAT41   | EOGMAT42                     |                            |  |  |
| Underground Structures, Deep Found.                   | BMEEOGMAS42  | 3      | 2       | 1       |            |              |     | M     | 6        |           |    |    |    |    | X  | EOGMAT45   |                              |                            |  |  |
| 3D Constructional Modelling of Structures             | BMEEOHSAS45  | 3      | 2       | 2       |            |              |     | M     | 6        |           |    |    |    |    | X  | EOHSAT42   | EOHSAT43 EOFTAT42            |                            |  |  |
| Design of Structures Projectwork                      | BMEEODHAS41  | 6      |         |         |            | 2            |     | M     | 6        |           |    |    |    |    | X  | EOHSAS41   | EOHSAS42 EOGMAT45            |                            |  |  |
| Public Administration and Land Registry               | BMEEOUVAT44  | 3      | 2       |         |            |              |     | M     | 7        |           |    |    |    |    |    | GT55A001   |                              |                            |  |  |
| Field Course of Structural Geodesy                    | BMEEOAFAS42  | 1      |         |         | 2          |              |     | M     | 7        |           |    |    |    |    | X  | EOAFAT43   | EOHSAT42 EOHSAT43            |                            |  |  |
| Dynamics of Structures                                | BMEEOTMAS43  | 3      | 2       |         |            |              |     | M     | 7        |           |    |    |    |    | X  | EOTMAT43   | TE90AX07                     |                            |  |  |
| Industrial Practice                                   | BMEEODHAS42  | 0      |         |         |            |              | 20  | S     | 7        |           |    |    |    |    |    | X          | EOHSAS41 EOHSAS42 EOGMAT45   |                            |  |  |
| <b>Specialization in Structural Engineering</b>       |              |        |         |         |            |              |     |       |          |           |    |    |    |    |    |            |                              |                            |  |  |
| Steel Buildings                                       | BMEEOHSAS-A1 | 5      | 3       | 1       |            |              |     | E     | 6        |           |    |    |    |    | X  |            | EOHSAS41                     |                            |  |  |
| Reinforced Concrete Buildings                         | BMEEOHSAS-A2 | 5      | 3       | 1       |            |              |     | E     | 6        |           |    |    |    |    | X  |            | EOHSAS42 EOHSAS44            |                            |  |  |
| Building Construction Methodology                     | BMEEOEEMA-A1 | 2      | 1       | 1       |            |              |     | E     | 7        |           |    |    |    |    | X  |            | EOEMAS43                     |                            |  |  |
| Engineering Works                                     | BMEEOHSAS-B3 | 3      | 2       |         |            |              |     | E     | 7        |           |    |    |    |    | X  |            | EOHSAT43 EOHSAS43 EOGMAS42   |                            |  |  |
| Structural Design Projectwork                         | BMEEOHSAS-PP | 6      |         |         |            | 2            |     | M     | 7        |           |    |    |    |    | X  |            | EODHAS41 EOHSAS-A1 EOHSAS-A2 |                            |  |  |
| Preparatory Course for BSc Thesis Project             | BMEEODHA-PT  | 9      |         |         |            |              |     | M     | 8        |           |    |    |    |    |    |            | X                            | EOHSAS-PP                  |  |  |
| Bachelor Thesis Project                               | BMEEODHA-PS  | 15     |         |         |            |              |     | M     | 8        |           |    |    |    |    |    |            | X                            | EOHSAS-PT!                 |  |  |
| <b>Total number of credits</b>                        |              | 240    |         |         |            |              |     |       |          |           | 32 | 36 | 33 | 28 | 31 | 31         | 25                           | 24                         |  |  |
| <b>Total number of classes</b>                        |              | 184    |         |         |            |              |     |       |          |           | 31 | 33 | 28 | 26 | 29 | 21         | 16                           | 0                          |  |  |
| <b>Number of exams</b>                                |              | 23     |         |         |            |              |     |       |          |           | 3  | 4  | 4  | 4  | 4  | 3          | 1                            | 0                          |  |  |
| <b>Proposed Elective Subjects</b>                     |              |        |         |         |            |              |     |       |          |           |    |    |    |    |    |            |                              |                            |  |  |
| Reinforced Concrete Bridges                           | BMEEOHSAS-B2 | 4      | 2       | 1       |            |              |     | E     | 6        |           |    |    |    |    |    |            | EOHSAS42                     | EOHSAS43 EOHSAS44          |  |  |
| Hungarian Culture Part 1                              | BMEGT658363  | 4      | 4       |         |            |              |     | M     |          |           |    |    |    |    |    |            |                              |                            |  |  |

Cross semesters: AFAT41, FTAT41, GMAT42, TMAT41, TMAT43, UVAT41, VKAT41, VKAT42, VVAT41, EMAS43, HSAS47, HSAS43, HSA-PP

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semester).

A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.

**CIVIL ENGINEERING BSC FROM 2019 - SPECIALIZATION IN INFRASTRUCTURE ENGINEERING**

| Subject Name   | Code         | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semesters |   |   |   |   |   |   |   | Preliminary Requirement(s) |           |           |           |    |    |    |    |   |   |
|--|--------------|--------|---------|---------|------------|--------------|-----|-------|-----------|---|---|---|---|---|---|---|----------------------------|-----------|-----------|-----------|----|----|----|----|---|---|
|  |              |        |         |         |            |              |     |       | Semester  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |                            |           |           | 8         |    |    |    |    |   |   |
|  |              |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| <b>Core subjects</b>                                     |              |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Compulsory English 1.                                    | BMEGT63A3E1  | 4      | 4       |         |            |              |     | M     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Surveying I.   | BMEEOFAT41   | 3      | 1       | 2       |            |              |     | M     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Chemistry of Construction Materials                      | BMEEOEEMAT41 | 2      | 2       |         |            |              |     | M     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Civil Engineering Representation and Drawing             | BMEEOEEMAT42 | 4      | 2       | 2       |            |              |     | M     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| CAD for Civil Engineers                                  | BMEEOFAT41   | 2      | 2       |         |            |              |     | M     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Geology  | BMEEOGMAT41  | 3      | 1       | 2       |            |              |     | E     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Basis of Statics and Dynamics                            | BMEEOTMAT41  | 6      | 4       | 5       |            |              |     | E     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Mathematics A1a - Calculus                               | BMETE90AX00  | 6      | 4       | 2       |            |              |     | E     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Physics for Civil Engineers                              | BMETE11AX13  | 2      | 2       |         |            |              |     | M     | 1         | X |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Compulsory English 2.                                    | BMEGT63A3E2  | 4      | 4       |         |            |              |     | M     | 2         |   | X |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Surveying II.  | BMEEOFAT42   | 4      | 2       | 2       |            |              |     | E     | 2         |   | X |   |   |   |   |   | EOAFAT41                   | EOFTAT41  |           |           |    |    |    |    |   |   |
| Construction Materials I.                                | BMEEOEEMAT43 | 5      | 2       |         | 2          |              |     | E     | 2         |   | X |   |   |   |   |   | EOEMAT41                   |           |           |           |    |    |    |    |   |   |
| Civil Engineering Informatics                            | BMEEOFAT42   | 5      | 2       | 2       |            |              |     | M     | 2         |   | X |   |   |   |   |   | EOFTAT41                   |           |           |           |    |    |    |    |   |   |
| Building Construction Study                              | BMEEOEEMAT44 | 3      | 1       | 2       |            |              |     | M     | 2         |   | X |   |   |   |   |   | EOEMAT42                   |           |           |           |    |    |    |    |   |   |
| Introduction to Strength of Materials                    | BMEEOTMAT42  | 6      | 4       | 5       |            |              |     | M     | 2         |   | X |   |   |   |   |   | EOTMAT41                   | TE90AX00~ |           |           |    |    |    |    |   |   |
| Hydraulics I.  | BMEEOVVAT42  | 3      | 2       | 1       |            |              |     | E     | 2         |   | X |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Mathematics A2a - Vector Functions                       | BMETE90AX02  | 6      | 4       | 2       |            |              |     | E     | 2         |   | X |   |   |   |   |   | TE90AX00                   |           |           |           |    |    |    |    |   |   |
| Surveying Field Course                                   | BMEEOFAT43   | 3      |         |         |            |              | 9   | M     | 3         |   |   | X |   |   |   |   | EOAFAT42!~                 |           |           |           |    |    |    |    |   |   |
| Soil Mechanics   | BMEEOGMAT42  | 4      | 2       | 2       |            |              |     | M     | 3         |   |   | X |   |   |   |   | EOGMAT41                   | EOTMAT42  |           |           |    |    |    |    |   |   |
| Geoinformatics   | BMEEOFAT43   | 3      | 2       | 1       |            |              |     | M     | 3         |   |   | X |   |   |   |   | EOAFAT42                   |           |           |           |    |    |    |    |   |   |
| Basis of Design  | BMEEOHSAT41  | 3      | 2       |         |            |              |     | M     | 3         |   |   | X |   |   |   |   | EOTMAT41                   |           |           |           |    |    |    |    |   |   |
| Structural Analysis I.                                   | BMEEOTMAT43  | 4      | 4       |         |            |              |     | E     | 3         |   |   | X |   |   |   |   | EOTMAT42                   | TE90AX00  |           |           |    |    |    |    |   |   |
| Railway Tracks   | BMEEOUVAT41  | 3      | 3       |         |            |              |     | E     | 3         |   |   | X |   |   |   |   | EOAFAT41                   |           |           |           |    |    |    |    |   |   |
| Basics of Environmental Engineering                      | BMEEOVKAT41  | 3      | 2       |         |            |              |     | M     | 3         |   |   | X |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Public Works I.  | BMEEOVKAT42  | 3      | 2       | 1       |            |              |     | E     | 3         |   |   | X |   |   |   |   | EOVVAT42                   |           |           |           |    |    |    |    |   |   |
| Hydrology I.   | BMEEOVVAT41  | 3      | 2       | 1       |            |              |     | M     | 3         |   |   | X |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Mathematics A3 for Civil Engineers                       | BMETE90AX07  | 4      | 2       | 2       |            |              |     | E     | 3         |   |   | X |   |   |   |   | TE90AX02                   |           |           |           |    |    |    |    |   |   |
| Earthworks   | BMEEOGMAT43  | 3      | 2       | 1       |            |              |     | E     | 4         |   |   |   | X |   |   |   | EOGMAT42                   |           |           |           |    |    |    |    |   |   |
| Steel Structures   | BMEEOHSAT42  | 3      | 3       |         |            |              |     | M     | 4         |   |   |   | X |   |   |   | EOTMAT42                   | EOEMAT43~ | EOHSAT41  |           |    |    |    |    |   |   |
| Reinforced Concrete Structures                           | BMEEOHSAT43  | 3      | 3       |         |            |              |     | M     | 4         |   |   |   | X |   |   |   | EOTMAT42                   | EOEMAT43~ | EOHSAT41  |           |    |    |    |    |   |   |
| Roads  | BMEEOUVAT42  | 2      | 2       |         |            |              |     | M     | 4         |   |   |   | X |   |   |   | EOUVAT41                   |           |           |           |    |    |    |    |   |   |
| Hydraulic Engineering, Water Manag.                      | BMEEOVVAT43  | 3      | 2       | 1       |            |              |     | E     | 4         |   |   |   | X |   |   |   | EOVVAT41                   | EOVVAT42  |           |           |    |    |    |    |   |   |
| Construction Management                                  | BMEEPEKAT41  | 3      | 2       | 1       |            |              |     | M     | 4         |   |   |   | X |   |   |   | EOEMAT44                   | EOGMAT42  |           |           |    |    |    |    |   |   |
| Business Law   | BMEGT55A001  | 2      | 2       |         |            |              |     | M     | 4         |   |   |   | X |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Foundation Engineering                                   | BMEEOGMAT45  | 4      | 3       |         |            |              |     | E     | 5         |   |   |   |   | X |   |   | EOGMAT43                   |           |           |           |    |    |    |    |   |   |
| Management and Enterprise                                | BMEGT20A001  | 4      | 4       |         |            |              |     | M     | 5         |   |   |   |   | X |   |   |                            |           |           |           |    |    |    |    |   |   |
| Micro- and Macroeconomics                                | BMEGT30A001  | 4      | 4       |         |            |              |     | E     | 6         |   |   |   |   |   | X |   |                            |           |           |           |    |    |    |    |   |   |
| Communication Skills for Civil Engineers                 | BMEGT60A6EO  | 2      | 2       |         |            |              |     | M     | 6         |   |   |   |   |   |   | X |                            |           |           |           |    |    |    |    |   |   |
| Urban and Regional Development                           | BMEEOUVAT43  | 3      | 2       |         |            |              |     | M     | 7         |   |   |   |   |   |   |   | X                          |           |           |           |    |    |    |    |   |   |
| Optional subjects  |              | 4      | 4       |         |            |              |     | M     | 7         |   |   |   |   |   |   |   | X                          |           |           |           |    |    |    |    |   |   |
| <b>Branch Subjects</b>                                   |              |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Infrastructure CAD Course                                | BMEEOUVAI45  | 1      |         |         | 2          |              |     | M     | 4         |   |   |   | X |   |   |   | EOUVAT41                   | EOVKAT42  | EOFTAT42  |           |    |    |    |    |   |   |
| Water Chemistry and Hydrobiology                         | BMEEOVKAI43  | 3      | 2       |         | 1          |              |     | E     | 4         |   |   |   | X |   |   |   | EOVKAT41                   |           |           |           |    |    |    |    |   |   |
| Legal Aspects of Water and Environment                   | BMEEOVKAI45  | 2      | 2       |         |            |              |     | M     | 4         |   |   |   | X |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Hydraulics 2   | BMEEOVVAI42  | 3      | 2       | 1       |            |              |     | E     | 4         |   |   |   | X |   |   |   | EOVVAT42                   |           |           |           |    |    |    |    |   |   |
| Highway and Railway Structures                           | BMEEOUVAI41  | 5      | 4       |         |            |              |     | E     | 5         |   |   |   |   | X |   |   | EOUVAT41                   | EOUVAT42  |           |           |    |    |    |    |   |   |
| Highway and Railway Design                               | BMEEOUVAI43  | 5      | 3       | 2       |            |              |     | E     | 5         |   |   |   |   | X |   |   | EOUVAT41                   | EOUVAT42  | EOAFAT43  |           |    |    |    |    |   |   |
| Public Works 2   | BMEEOVKAI41  | 5      | 2       | 2       |            |              |     | E     | 5         |   |   |   |   | X |   |   | EOVKAT42                   |           |           |           |    |    |    |    |   |   |
| Urban Environment  | BMEEOVKAI42  | 3      | 2       |         |            | 1            |     | M     | 5         |   |   |   |   | X |   |   | EOVKAT41                   |           |           |           |    |    |    |    |   |   |
| Water Quality Management                                 | BMEEOVKAI44  | 3      | 2       | 1       |            |              |     | M     | 5         |   |   |   |   | X |   |   | EOVKAI43                   | EOVVAI42  |           |           |    |    |    |    |   |   |
| Hydrology 2  | BMEEOVVAI41  | 3      | 2       | 1       |            |              |     | M     | 5         |   |   |   |   | X |   |   | EOVVAT41                   |           |           |           |    |    |    |    |   |   |
| Transportation Networks                                  | BMEEOUVAI42  | 3      | 2       |         |            |              |     | M     | 6         |   |   |   |   |   | X |   | EOUVAT42                   |           |           |           |    |    |    |    |   |   |
| Highway and Railway Laboratory Course                    | BMEEOUVAI44  | 1      |         |         | 3          |              |     | M     | 6         |   |   |   |   |   | X |   | EOUVAI41                   |           |           |           |    |    |    |    |   |   |
| Water Resources Management                               | BMEEOVVAI43  | 3      | 2       |         |            |              |     | E     | 6         |   |   |   |   |   | X |   | EOVVAT43                   |           |           |           |    |    |    |    |   |   |
| Hydraulic Engineering Field Course                       | BMEEOVVAI44  | 2      | 2       |         |            |              | 6   | M     | 6         |   |   |   |   |   | X |   | EOVVAI41                   | EOVVAI42  |           |           |    |    |    |    |   |   |
| Infrastructure Design Project                            | BMEEODHAI41  | 6      |         |         |            | 2            |     | M     | 6         |   |   |   |   |   | X |   | EOVVAT43                   | EOUVAI43  | EOVKAI41  |           |    |    |    |    |   |   |
| Public Administration and Land Registry                  | BMEEOUVAT44  | 3      | 2       |         |            |              |     | M     | 7         |   |   |   |   |   |   | X | GT55A001                   |           |           |           |    |    |    |    |   |   |
| Earthworks and Drainage of Transportation Infrastructure | BMEEOGMAI41  | 3      | 3       |         |            |              |     | E     | 7         |   |   |   |   |   |   | X | EOGMAT43                   | EOVVAT41  |           |           |    |    |    |    |   |   |
| Technical Internship                                     | BMEEODHAI42  | 0      |         |         |            |              | 20  | S     | 7         |   |   |   |   |   |   |   | EOVVAT43                   | EOUVAI43  | EOVKAI41  |           |    |    |    |    |   |   |
| <b>Specialization in Infrastructure Engineering</b>      |              |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   |                            |           |           |           |    |    |    |    |   |   |
| Highway Planning and Design                              | BMEEOUVA-E1  | 3      |         | 2       |            |              |     | E     | 7         |   |   |   |   |   |   | X | EOUVAI43                   |           |           |           |    |    |    |    |   |   |
| Water Damage Prevention and Water Use                    | BMEEOVVA-F1  | 5      | 4       |         |            |              |     | E     | 6         |   |   |   |   |   | X |   | EOVVAT43                   | EOVVAI41  | EOVVAI42  |           |    |    |    |    |   |   |
| Drinking Water and Wastewater Treatment                  | BMEEOVKA-H1  | 4      | 3       |         |            |              |     | E     | 6         |   |   |   |   |   | X |   | EOVKAI41                   |           |           |           |    |    |    |    |   |   |
| Railway Planning and Design                              | BMEEOUVA-E2  | 3      |         | 2       |            |              |     | E     | 7         |   |   |   |   |   |   | X | EOUVAI43                   |           |           |           |    |    |    |    |   |   |
| River Basin Management                                   | BMEEOVVA-F2  | 3      | 2       |         |            |              |     | E     | 7         |   |   |   |   |   |   | X | EOVVAI43                   | EOVKAI44  |           |           |    |    |    |    |   |   |
| Environmental Impact Assessment                          | BMEEOVKA-H3  | 3      | 3       |         |            |              |     | E     | 7         |   |   |   |   |   |   | X | EOVKAI42                   | EOVKAI44  | EOVKAI45  |           |    |    |    |    |   |   |
| Transportation Facility Design Project                   | BMEEOUVA-QP  | 6      |         |         |            | 2            |     | M     | 7         |   |   |   |   |   |   | X | EODHAI41                   | EOUVAI44  | EOUVA-E2! |           |    |    |    |    |   |   |
| Hydraulic Engineering Design Project                     | BMEEOVVA-QP  | 6      |         |         |            | 2            |     | M     | 7         |   |   |   |   |   |   | X | EODHAI41                   | EOVVA-F1  | EOVVA-F2! |           |    |    |    |    |   |   |
| Urban Water Infrastructure Design Project                | BMEEOVKA-QP  | 6      |         |         |            | 2            |     | M     | 7         |   |   |   |   |   |   | X | EODHAI41                   | EOVKA-H1  | EOVKA-H3! |           |    |    |    |    |   |   |
| Preparatory Course for BSc Thesis Project                | BMEEODHA-QT  | 9      |         |         |            |              |     | M     | 8         |   |   |   |   |   |   |   | X                          | *EOUVA-QP | *EOVVA-QP | *EOVKA-QP |    |    |    |    |   |   |
| Bachelor Thesis Project                                  | BMEEODHA-QS  | 15     |         |         |            |              |     | M     | 8         |   |   |   |   |   |   |   | X                          | EOHSA-QT! |           |           |    |    |    |    |   |   |
| <b>Total number of credits</b>                           | 240          |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   | 32                         | 36        | 33        | 28        | 32 | 31 | 25 | 24 |   |   |
| <b>Total number of classes</b>                           | 184          |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   |                            | 31        | 33        | 28        | 26 | 28 | 21 | 16 | 0 |   |
| <b>Number of exams</b>                                   | 23           |        |         |         |            |              |     |       |           |   |   |   |   |   |   |   |                            |           | 3         | 4         | 4  | 4  | 4  | 3  | 1 | 0 |

| <b>Recommended Optional Subjects</b> |             |   |   |  |   |  |  |   |   |  |  |  |  |   |  |   |          |          |          |  |
|--------------------------------------|-------------|---|---|--|---|--|--|---|---|--|--|--|--|---|--|---|----------|----------|----------|--|
| Bridges and Infrastructures          | BMEEOHSAS43 | 3 | 2 |  |   |  |  | E | 5 |  |  |  |  | X |  |   | EOHSAT42 | EOHSAT43 |          |  |
| Field Course of Structural Geodesy   | BMEEOFAS42  | 1 |   |  | 2 |  |  | M | 7 |  |  |  |  |   |  | X | EOAFAT43 | EOHSAT42 | EOHSAT43 |  |
| Hungarian Culture Part 1             | BMEGT658363 | 4 | 4 |  |   |  |  | M |   |  |  |  |  |   |  |   |          |          |          |  |

**Cross semesters: AFAT41, FTAT41, GMAT42, TMAT41, TMAT43, UVAT41, VKAT41, VKAT42, VVAT41, UVA-QP, VKA-QP, VVA-QP**

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semester).

A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.

| 2017/18 2nd Semester |                                  | BSc Civil Engineering 1st year  |                                    |                              |                                      | students |
|----------------------|----------------------------------|---------------------------------|------------------------------------|------------------------------|--------------------------------------|----------|
| Monday               |                                  | Tuesday                         | Wednesday                          | Thursday                     | Friday                               |          |
| 8:15-10:00           | EN1 Comp.English 2. K.375        | EN1 Compulsory English 2. K.375 | +Building Con. St. K.mf30          | EN1 Constr. Mat. I. MM.L2    | EN3 Surveying II. K.f27k             |          |
|                      | EN1 Comp.English 2. K.376        | EN2 Compulsory English 2. K.376 | #Surveying I. K.f27b               | EN2 Constr. Mat. I. MM.L3    | EN1 Surveying I. K.f27b              |          |
| 10:15-12:00          | EN1 Basis of Stat.&Dyn. K.mf78   | <b>Hydraulics I.</b> K.f10      | <b>Constr. Materials I.</b> K.mf30 | <b>Surveying II.</b> K.389   | EN4 Surveying II. K.f27b             |          |
| 12:15-14:00          | EN1 Intr. to Str. of Mat. K.mf30 | <b>Mathematics A2a</b> K.389    | +EN1 Intr. to Str. K.f10           | <b>CE Informatics</b> K.mf30 | EN3 CE Informatics K.142a            |          |
|                      |                                  | EN1 Basis of Stat.&Dyn. K.371   | #EN1 Hydraulics I. K.f10           |                              | EN4 CE Informatics K.142b            |          |
| 14:15-16:00          | EN1 CE Informatics K.142a        | EN2 CE Informatics K.142a       | EN1 B. Const. Study K.183          |                              | EN1 Intr. to Strength of Mat. K.mf30 |          |
| 16:15-18:00          | <b>Mathematics A2a</b> K.389     |                                 | EN2 B. Const. Study K.375          |                              |                                      |          |
|                      |                                  |                                 | EN1 Mathem. A2a K.374              |                              |                                      |          |
|                      |                                  | EN2 Mathem. A2a K.375           |                                    |                              |                                      |          |

**Surveying Field Course** 2018. 06. 14 - 06. 22

| 2017/18 2nd Semester |                                   | BSc Civil Engineering 2nd year       |                                   |  |                                      | students |
|----------------------|-----------------------------------|--------------------------------------|-----------------------------------|--|--------------------------------------|----------|
| Monday               |                                   | Tuesday                              | Wednesday                         | Thursday                                 | Friday                               |          |
| 8:15-10:00           | <b>Basics of Env. Eng.</b> K.mf30 | + <b>Steel Structures</b> K.f12      | <b>Reinf. Concrete Str.</b> K.f12 | <b>Steel Structures</b> K.f12            | <b>Public Works I.</b> K.mf31        |          |
| 10:15-12:00          | <b>Business Law</b> K.f88         | +EN1 Earthworks K.144                | +EN1Hydr.Eng.&Water Man K.f10     | <b>Hydr. Eng. &amp; Water Man.</b> K.f10 | <b>Timber Structures</b> K.f12       |          |
|                      | <b>Hydrology I</b> K.f10          | # <b>Building Constr.I.</b> K.183    | #EN1 Constr. Management K.f10     |  | <b>Structural Analysis I.</b> K.mf78 |          |
| 12:15-14:00          | EN1Building Const.I. K.375        | <b>Constr. Management</b> K.f12      | <b>Earthworks</b> K.371           | <b>Strength of Materials</b> K.376       | EN1 Soil Mechanics K.mf21            |          |
|                      | EN1Building Const.II. K.144       |                                      | <b>Soil Mechanics</b> K.mf21      |  |                                      |          |
| 14:15-16:00          | <b>Roads</b> K.mf30               | <b>Structural Analysis I.</b> K.mf78 | #EN1 Pub. Works I. K.f10          | #EN1 Hydrology I. K.f10                  |                                      |          |
| -17:00               | <b>Railway Tracks</b> K.f99       |                                      |                                   |  |                                      |          |
|                      | 14:15-17:00                       |                                      |                                   |  |                                      |          |

| 2017/18 2nd Semester                    |  | BSc Branch of Structural Engineering 3rd year |                                       |  |                                    | students |
|---|--|---|---------------------------------------|--|------------------------------------|----------|
| Monday                                  |  | Tuesday                                       | Wednesday                             | Thursday                               | Friday                             |          |
| 8:15-10:00                              |  | <b>Reinf. Concr. Buildings</b> EL111          | <b>Micro&amp;Macroeconomics</b> K.f88 | + <b>Reinf. Concr. Buildings</b> EL111 | <b>Underground Str.</b> K.mf21     |          |
| 10:15-12:00                             | <b>Bridges and Infrastr.</b> K.f12         | <b>Steel and Composite Str.</b> EL111         | EN1 3D Constr. Mod. of Str. K.f12     | +EN1 Reinf. Concr. Build. EL111        | #EN1 Underground Str. K.mf21       |          |
|   |  |   |                                       | + <b>Steel Buildings</b> EL111         | +EN2 Rock Mechanics K.mf21         |          |
| 12:15-14:00                             | EN1 Design of Structures Projektwork K.f12 | <b>Steel Buildings</b> EL111                  | + <b>Steel and Comp.Str.</b> EL111    | #EN1 Steel Buildings EL111             | <b>Reinf. Concr. Bridges</b> K.f12 |          |
| EN1 Structural Design Projektwork K.f12 | <b>Micro&amp;Macroeconomics</b> K.f88      |   |                                       |  |                                    |          |
| 14:15-16:00                             |  |   | Comm. Skills for CE K.376             | + <b>Rock Mechanics</b> K.mf21         | EN1Reinf. Concr. Bridges K.f12     |          |
|   |  |   |                                       | #EN1 Rock Mechanics K.mf21             |                                    |          |

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

|  | Code        | Credit | Lecture | Seminar | Laboratory | Consultation | Day | M/E/S | Semester |
|--|-------------|--------|---------|---------|------------|--------------|-----|-------|----------|
| <b>Core Subjects</b>                             |             |        |         |         |            |              |     |       |          |
| Advanced Mathematics                             | BMETE90MX33 | 3      | 2       | 1       |            |              |     | E     | 1        |
| Physics Laboratory                               | BMETE11MX22 | 1      |         |         | 1          |              |     | M     | 2        |
| Methods of Engineering Analysis                  | BMEEOHSMK51 | 3      | 1       | 1       |            |              |     | M     | 1        |
| Numerical Methods                                | BMEEOFTMK51 | 4      |         |         | 3          |              |     | M     | 1        |
| Geodynamics                                      | BMEEOGMMS51 | 3      | 2       |         |            |              |     | M     | 2        |
| FEM for Civil Engineers                          | BMEEOTMMS51 | 5      | 2       | 2       |            |              |     | E     | 1        |
| Soil-Structure Interaction                       | BMEEOGMMS52 | 5      | 3       | 1       |            |              |     | M     | 1        |
| Structures 1                                     | BMEEOHSM51  | 5      | 3       | 1       |            |              |     | E     | 1        |
| Decision Supporting Methods                      | BMEEPEKMST4 | 2      | 2       |         |            |              |     | M     | 3        |
| Accounting, Controlling, Taxation                | BMEGT35M014 | 2      | 2       |         |            |              |     | M     | 3        |
| Corporate Finance                                | BMEGT35M411 | 2      | 2       |         |            |              |     | M     | 3        |
| Engineering Ethics                               | BMEGT41M004 | 2      | 2       |         |            |              |     | M     | 3        |
| Optional Subjects                                |             | 5      |         |         |            |              |     |       |          |
| <b>Specialization in Numerical Modeling</b>      |             |        |         |         |            |              |     |       |          |
| <b>Obligatory Subjects</b>                       |             |        |         |         |            |              |     |       |          |
| Numerical modeling project                       | BMEEOTMMS5P | 5      |         |         |            | 2            |     | M     | 2        |
| Structural Dynamics                              | BMEEOTMMN-1 | 4      | 2       | 1       |            |              |     | M     | 2        |
| Stability of Structures                          | BMEEOHSMT-2 | 4      | 2       | 1       |            |              |     | E     | 2        |
| Nonlinear Mechanics                              | BMEEOTMMN-2 | 4      | 2       | 1       |            |              |     | E     | 1        |
| Elective Subjects                                |             | 11     |         |         |            |              |     |       |          |
| Diploma Project                                  | BMEEODHMN-D | 20     |         |         |            |              |     | M     | 3        |
| <b>Recommended Elective Subjects</b>             |             |        |         |         |            |              |     |       |          |
| Plasticity                                       | BMEEOTMMN61 | 3      | 1       | 1       |            |              |     | M     | 2        |
| Nonlinear FEM                                    | BMEEOTMMN62 | 3      | 2       |         |            |              |     | M     | 2        |
| Analysis of Rods and Frames                      | BMEEOTMMN63 | 3      | 1       | 1       |            |              |     | M     | 2        |
| Discrete Element Method                          | BMEEOTMMN64 | 3      | 1       | 1       |            |              |     | M     | 2        |
| <b>Specialization in Structures</b>              |             |        |         |         |            |              |     |       |          |
| <b>Obligatory Subjects</b>                       |             |        |         |         |            |              |     |       |          |
| Structures project                               | BMEEOHSM5P  | 5      |         |         |            | 2            |     | M     | 2        |
| Structures 2                                     | BMEEOHSMT-1 | 4      | 2       | 1       |            |              |     | E     | 2        |
| Stability of Structures                          | BMEEOHSMT-2 | 4      | 2       | 1       |            |              |     | E     | 2        |
| Seismic Design                                   | BMEEOHSMT-3 | 4      | 2       | 1       |            |              |     | M     | 2        |
| Structural Dynamics                              | BMEEOTMMN-1 | 4      | 2       | 1       |            |              |     | M     | 2        |
| Elective Subjects                                |             | 7      |         |         |            |              |     |       |          |
| Diploma Project                                  | BMEEODHMT-D | 20     |         |         |            |              |     | M     | 3        |
| <b>Recommended Elective Subjects</b>             |             |        |         |         |            |              |     |       |          |
| Applied Fracture Mechanics                       | BMEEOHSMT61 | 4      | 2       | 1       |            |              |     | M     | 2        |
| Prestressing Technologies                        | BMEEOHSMT62 | 3      | 1       | 1       |            |              |     | M     | 2        |
| Strengthening of Structures                      | BMEEOHSMT63 | 3      | 1       | 1       |            |              |     | M     | 2        |
| <b>Specialization in Geotechnics and Geology</b> |             |        |         |         |            |              |     |       |          |
| <b>Obligatory Subjects</b>                       |             |        |         |         |            |              |     |       |          |
| Geotechnics and engineering geology project      | BMEEOGMMS5P | 5      |         |         |            | 2            |     | F     | 2        |
| Engineering Geology MSc                          | BMEEOGMMG-1 | 4      | 2       | 1       |            |              |     | V     | 2        |
| Environmental Geology                            | BMEEOGMMG-2 | 4      | 2       | 1       |            |              |     | F     | 1        |
| Geotechnical Design                              | BMEEOGMMG-3 | 4      | 2       | 1       |            |              |     | F     | 2        |
| Earthworks of Infrastructures                    | BMEEOGMMG-4 | 4      | 2       | 1       |            |              |     | F     | 2        |
| Elective Subjects                                |             | 7      |         |         |            |              |     |       |          |
| Diploma Project                                  | BMEEODHMG-D | 20     |         |         |            |              |     | F     | 3        |
| <b>Recommended Elective Subjects</b>             |             |        |         |         |            |              |     |       |          |
| Tunneling  | BMEEOGMMG61 | 3      | 2       |         |            |              |     | F     | 2        |
| Hydrogeology                                     | BMEEOGMMG62 | 3      | 2       |         |            |              |     | F     | 2        |
| Numerical Methods of Geotechnics                 | BMEEOGMMG63 | 3      | 1       |         | 1          |              |     | F     | 1        |
| Engineering Geology of Hungary                   | BMEEOGMMG64 | 3      | 2       |         |            |              |     | F     | 2        |

| 2017/18/2. félév |  | MSc Specialization in Structural Engineering Fall Semester   |   |  |   |   |
|------------------|--|--|---|--|---|---|
|                  | Hétfő  | Kedd   | Szerda  | Csütörtök  | Péntek  |   |
| 8:15-9:00        | <b>Stability of Structures</b><br>BMEEOHSMT-2<br>EA<br>K.389 | <b>Structural Dynamics</b><br>BMEEOTMMN-1<br>EA<br>K.389     | <b>Geodynamics</b><br>BMEEOGMMS52<br>EA<br>K.389                        | <b>Discrete Meth.</b> K.mf78<br>BMEEOTMMN64                | '+Meth. of Eng. Analysis'<br>BMEEOHSMK51<br>EA, K.f12 |   |
| 9:15-10:00       |  |  |   | EN1 Discrete Methods                                       |   |   |
| 10:15-11:00      |  |  |   | EN1 Stability of Str.                                      | EN1 Structural Dynamics                               | EN1 Structures Project<br>BMEEOHSMS5P<br>K.f99      |
| 11:15-12:00      | <b>Structures II.</b><br>BMEEOHSMT-1<br>EA<br>K.389          | <b>Applied Fracture Mech.</b><br>BMEEOHSMT61<br>EA<br>K.mf30 | <b>Strengthening of Str.</b><br>BMEEOHSMT63<br>EA, K.389                | EN1 Plasticity   | #EN1 Numerical Meth.                                  |   |
| 12:15-13:00      |  |  |   | EN1 Structures II.   | 01 Appl. Fracture Mech.                               | <b>Nonlinear FEM</b><br>BMEEOTMMN62<br>EA<br>K.mf78 |
| 13:15-14:00      |  |  | EN1 Strengthening of Str  |  | + EN1 Seismic Design                                  |   |
| 14:15-15:00      |  | <b>Prestressing Tech.</b><br>BMEEOHSMT62<br>EA, K.mf30       | <b>Physic Laboratory</b><br>BMETE11MX22<br>F32L1<br>3 times in the sem. | <b>An. of Rods&amp;Frames</b><br>BMEEOTMMN63<br>EA, K.mf78 |   |   |
| 15:15-16:00      |  |  |   | EN1 Prestressing Tech.                                     | EN1 An.of Rods&Frames                                 |   |
| 16:15-17:00      | EN2 Numerical Methods<br>16:15-19:00                         |  |   |  |   |   |
| 17:15-18:00      |  |  |   |  |   |   |

| 2017/18/2. semester |  | MSc Specialization in Numerical Modelling Fall Semester      |   |  |   |   |
|---------------------|--|--|---|--|---|---|
|                     | Hétfő  | Kedd   | Szerda  | Csütörtök  | Péntek  |   |
| 8:15-9:00           | <b>Stability of Structures</b><br>BMEEOHSMT-2<br>EA<br>K.389 | <b>Structural Dynamics</b><br>BMEEOTMMN-1<br>EA<br>K.389     | <b>Geodynamics</b><br>BMEEOGMMS52<br>EA<br>K.389                        | <b>Discrete Meth.</b> K.mf78<br>BMEEOTMMN64                | '+Meth. of Eng. Analysis'<br>BMEEOHSMK51<br>EA, K.f12 |   |
| 9:15-10:00          |  |  |   | EN1 Discrete Methods                                       |   |   |
| 10:15-11:00         |  |  |   | EN1 Stability of Structures                                | EN1 Structural Dynamics                               |   |
| 11:15-12:00         | <b>Structures II.</b><br>BMEEOHSMT-1<br>EA<br>K.389          | <b>Applied Fracture Mech.</b><br>BMEEOHSMT61<br>EA<br>K.mf30 | <b>Strengthening of Str.</b><br>BMEEOHSMT63<br>EA, K.389                | EN1 Plasticity   | #EN1 Numerical Meth.                                  |   |
| 12:15-13:00         |  |  |   | EN1 Structures II.   | 01 Appl. Fracture Mech.                               | <b>Nonlinear FEM</b><br>BMEEOTMMN62<br>EA<br>K.mf78 |
| 13:15-14:00         |  |  | EN1 Strengthening of Str  |  | + EN1 Seismic Design                                  |   |
| 14:15-15:00         | EN1 Numerical Mod. Pr.<br>BMEEOTMMS5P<br>K.mf78              | <b>Prestressing Tech.</b><br>BMEEOHSMT62<br>EA, K.mf30       | <b>Physic Laboratory</b><br>BMETE11MX22<br>F32L1<br>3 times in the sem. | <b>An. of Rods&amp;Frames</b><br>BMEEOTMMN63<br>EA, K.mf78 |   |   |
| 15:15-16:00         |  |  |   |  | EN1 Prestressing Tech.                                | EN1 An.of Rods&Frames                               |
| 16:15-17:00         | EN2 Numerical Methods<br>16:15-19:00                         |  |   |  |   |   |
| 17:15-18:00         |  |  |   |  |   |   |

| 2017/18/2. semester |  | MSc Specialization in Geotechnics and Geology Fall Semester |   |   |   |   |
|---------------------|--|---|---|---|---|---|
|                     | Hétfő  | Kedd  | Szerda  | Csütörtök                                   | Péntek  |   |
| 8:15-9:00           | <b>Eng. Geology MSc</b><br>BMEEOGMMG-1<br>EA<br>K.136        |   | <b>Geodynamics</b><br>BMEEOGMMS51<br>EA<br>K.389                        | <b>Discrete Meth.</b> K.mf78<br>BMEEOTMMN64 | '+Meth. of Eng. Analysis'<br>BMEEOHSMK51<br>EA, K.f12   |   |
| 9:15-10:00          |  |   |   | EN1 Discrete Methods                        |   |   |
| 10:15-11:00         |  |   |   | EN1 Eng. Geology MSc                        |   |   |
| 11:15-12:00         | <b>Earthworks of Infrastr.</b><br>BMEEOGMMG-4<br>EA<br>K.136 |   |   |   | #EN1 Numerical Meth.                                    |   |
| 12:15-13:00         |  |   |   |   | <b>Eng. Geology of HU</b><br>BMEEOGMMG64<br>EA<br>K.136 | <b>Hydrogeology</b><br>BMEEOGMMG62<br>EA<br>K.136 |
| 13:15-14:00         | EN1 Earthw. of Infrastr.                                     |   |   |   |   |   |
| 14:15-15:00         | <b>Tunneling</b><br>BMEEOGMMG61<br>EA<br>K.375               | <b>Geotechnical Design</b><br>BMEEOGMMG-3<br>EA<br>K.136    | <b>Physic Laboratory</b><br>BMETE11MX22<br>F32L1<br>3 times in the sem. |   |   |   |
| 15:15-16:00         |  |   |   | EN1 Geotech. Design                         |   |   |
| 16:15-17:00         | EN2 Numerical Methods<br>16:15-19:00                         |   |   |   |   |   |
| 17:15-18:00         |  |   |   |   |   |   |

|               |                        |                     |                     |         |
|---------------|------------------------|---------------------|---------------------|---------|
| Core Subjects | Structural Engineering | Numerical Modelling | Geotechnics&Geology | Electiv |
|               |                        | Cross Semester      |                     |         |