

**RELATIONSHIP BETWEEN LEARNING OUTCOMES OF COURSE AND DOCTORATE (PHD) PROGRAM OUTCOMES**

| AUTUMN SEMESTER COURSES |   |   |   |      | DOCTORATE PROGRAM OUTCOMES (DPO) |      |      |      |      |      |      |      |      |      |       |       |       |
|-------------------------|---|---|---|------|----------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| COURSE CODE             | COURSE NAME   | T | P | ECTS | LOC                              | DPO1 | DPO2 | DPO3 | DPO4 | DPO5 | DPO6 | DPO7 | DPO8 | DPO9 | DPO10 | DPO11 | DPO12 |
| FBE8001                 | SCIENTIFIC RESEARCH TECHNIQUES AND PUBLICATION ETHICS | 3 | 0 | 8    | LOC1                             | 5    | 3    | 4    | 5    | 4    | 3    | 3    | 3    | 0    | 2     | 2     |       |
|                         |   |   |   |      | LOC2                             | 4    | 3    | 5    | 3    | 5    | 4    | 4    | 4    | 3    | 3     | 3     |       |
|                         |   |   |   |      | LOC3                             | 2    | 0    | 5    | 0    | 0    | 3    | 0    | 5    | 2    | 2     | 3     | 3     |
|                         |   |   |   |      | LOC4                             | 3    | 2    | 0    | 0    | 3    | 2    | 2    | 2    | 3    | 4     | 2     | 3     |
|                         |   |   |   |      | LOC5                             | 2    | 0    | 0    | 2    | 2    | 2    | 3    | 2    | 3    | 5     | 3     | 3     |
|                         |   |   |   |      | LOC6                             | 3    | 2    | 2    | 2    | 2    | 2    | 2    | 3    | 2    | 4     | 3     | 5     |
|                         |   |   |   |      | LOC7                             | 3    | 0    | 2    | 3    | 0    | 2    | 3    | 3    | 3    | 4     | 3     | 3     |
| INS7101                 | MATRIX METHODS IN STRUCTURAL ANALYSIS                 | 3 | 0 | 8    | LOC1                             | 4    | 3    | 3    | 3    | 3    | 2    | 3    | 2    | 1    | 3     | 2     | 3     |
|                         |   |   |   |      | LOC2                             | 4    | 3    | 3    | 3    | 3    | 2    | 3    | 2    | 1    | 3     | 2     | 3     |
|                         |   |   |   |      | LOC3                             | 4    | 3    | 3    | 3    | 3    | 2    | 3    | 2    | 1    | 3     | 2     | 3     |
|                         |   |   |   |      | LOC4                             | 4    | 3    | 3    | 3    | 3    | 2    | 3    | 2    | 1    | 3     | 2     | 3     |
|                         |   |   |   |      | LOC5                             | 4    | 5    | 3    | 5    | 5    | 2    | 5    | 2    | 1    | 3     | 3     | 3     |
|                         |   |   |   |      | LOC6                             | 4    | 5    | 3    | 5    | 5    | 2    | 5    | 2    | 1    | 3     | 3     | 3     |
| INS7103                 | CONTROL OF STRUCTURES                                 | 3 | 0 | 8    | LOC1                             | 0    | 5    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC2                             | 4    | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC3                             | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC4                             | 0    | 0    | 0    | 0    | 0    | 0    | 4    | 0    | 0    | 0     | 0     | 0     |
| INS7105                 | SOIL-STRUCTURE INTERACTION                            | 3 | 0 | 8    | LOC1                             | 3    | 2    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     | 2     |
|                         |   |   |   |      | LOC2                             | 3    | 3    | 0    | 0    | 5    | 0    | 0    | 0    | 0    | 0     | 0     | 2     |
|                         |   |   |   |      | LOC3                             | 3    | 3    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     | 3     |
| INS7107                 | RHEOLOGY OF CONSTRUCTION MATERIALS                    | 3 | 0 | 8    | LOC1                             | 2    | 4    | 3    | 2    | 3    | 3    | 3    | 1    | 0    | 2     | 0     | 0     |
|                         |   |   |   |      | LOC2                             | 5    | 2    | 4    | 3    | 4    | 5    | 4    | 3    | 0    | 1     | 0     | 0     |
|                         |   |   |   |      | LOC3                             | 5    | 3    | 2    | 1    | 3    | 1    | 5    | 0    | 0    | 2     | 0     | 0     |
|                         |   |   |   |      | LOC4                             | 4    | 2    | 4    | 3    | 5    | 3    | 1    | 2    | 0    | 1     | 0     | 0     |
|                         |   |   |   |      | LOC5                             | 3    | 4    | 3    | 1    | 5    | 3    | 3    | 4    | 0    | 3     | 0     | 0     |
|                         |   |   |   |      | LOC6                             | 5    | 3    | 2    | 4    | 4    | 2    | 2    | 2    | 0    | 3     | 0     | 0     |
| INS7109                 | SOILS MODELLING                                       | 3 | 0 | 8    | LOC1                             | 4    | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC2                             | 3    | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC3                             | 0    | 0    | 0    | 0    | 0    | 0    | 4    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC4                             | 3    | 0    | 0    | 0    | 3    | 2    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC5                             | 3    | 0    | 0    | 0    | 3    | 2    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC6                             | 3    | 0    | 0    | 0    | 3    | 2    | 0    | 0    | 0    | 0     | 0     | 0     |
| INS7111                 | ROLLER COMPACTED CONCRETE PAVEMENTS                   | 3 | 0 | 8    | LOC1                             | 3    | 3    | 2    | 0    | 2    | 0    | 0    | 2    | 4    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC2                             | 2    | 3    | 3    | 0    | 2    | 0    | 0    | 3    | 3    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC3                             | 2    | 2    | 2    | 0    | 1    | 0    | 0    | 3    | 3    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC4                             | 1    | 2    | 2    | 0    | 2    | 0    | 0    | 2    | 3    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC5                             | 2    | 3    | 3    | 0    | 2    | 0    | 0    | 2    | 3    | 0     | 0     | 0     |
| INS7113                 | DISCRETE CHOICE MODELING IN TRANSPORTATION            | 3 | 0 | 8    | LOC1                             | 3    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC2                             | 3    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC3                             | 0    | 0    | 3    | 2    | 5    | 2    | 2    | 0    | 0    | 0     | 3     | 3     |
|                         |   |   |   |      | LOC4                             | 4    | 0    | 3    | 3    | 3    | 3    | 3    | 0    | 0    | 4     | 3     | 3     |
| INS7001                 | SEMINAR   | 0 | 2 | 8    | LOC1                             | 5    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 4    | 0     | 3     |       |
|                         |   |   |   |      | LOC2                             | 2    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 5    | 0     | 3     |       |
| INS7007                 | THESIS PROPOSAL                                       | 0 | 0 | 30   | LOC1                             | 3    | 5    | 3    | 5    | 3    | 5    | 3    | 2    | 0    | 2     | 2     |       |
| INS7009                 | THESIS RESEARCH                                       | 0 | 1 | 30   | LOC1                             | 5    | 3    | 2    | 5    | 5    | 0    | 3    | 2    | 0    | 2     | 0     | 0     |
|                         |   |   |   |      | LOC2                             | 3    | 3    | 2    | 4    | 3    | 2    | 5    | 3    | 3    | 0     | 0     | 3     |
|                         |   |   |   |      | LOC3                             | 4    | 4    | 4    | 3    | 3    | 3    | 2    | 2    | 3    | 3     | 5     |       |
|                         |   |   |   |      | LOC4                             | 5    | 3    | 5    | 5    | 5    | 4    | 4    | 3    | 2    | 0     | 3     | 3     |
|                         |   |   |   |      | LOC5                             | 5    | 5    | 5    | 4    | 4    | 3    | 5    | 3    | 3    | 2     | 3     | 3     |
|                         |   |   |   |      | LOC6                             | 3    | 2    | 3    | 3    | 2    | 5    | 0    | 0    | 5    | 5     | 3     | 3     |
| INS7003                 | DOCTORAL QUALIFICATION                                | 0 | 0 | 30   | LOC1                             | 5    | 0    | 0    | 5    | 0    | 0    | 3    | 0    | 0    | 3     | 2     | 3     |
| INS7005                 | SPECIALIZED FIELD COURSE                              | 5 | 0 | 2    | LOC1                             | 5    | 3    | 3    | 4    | 5    | 3    | 4    | 0    | 0    | 4     | 3     | 2     |
|                         |   |   |   |      | LOC2                             | 3    | 3    | 3    | 5    | 2    | 3    | 4    | 0    | 0    | 0     | 3     |       |
|                         |   |   |   |      | LOC3                             | 0    | 4    | 3    | 0    | 3    | 3    | 3    | 3    | 0    | 0     | 0     | 0     |
|                         |   |   |   |      | LOC4                             | 3    | 3    | 3    | 3    | 5    | 5    | 4    | 3    | 0    | 0     | 0     | 3     |

|  |      |   |   |   |   |   |   |   |   |   |   |   |   |
|--|------|---|---|---|---|---|---|---|---|---|---|---|---|
|  | LOC5 | 3 | 3 | 3 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 |
|  | LOC6 | 3 | 3 | 3 | 3 | 5 | 5 | 0 | 3 | 3 | 3 | 3 | 3 |

| SPRING SEMESTER COURSES |  |   |   |      | DOCTORATE PROGRAM OUTCOMES (DPO) |                         |      |      |      |      |      |      |      |      |       |       |       |
|-------------------------|--|---|---|------|----------------------------------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| COURSE CODE             | COURSE NAME                                  | T | P | ECTS | LOC                              | DPO1                    | DPO2 | DPO3 | DPO4 | DPO5 | DPO6 | DPO7 | DPO8 | DPO9 | DPO10 | DPO11 | DPO12 |
| INS7102                 | STABILITY OF STRUCTURES                      | 3 | 0 | 8    | LOC1                             | 4                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |  |   |   |      | LOC2                             | 5                       | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC3                             | 0                       | 5    | 0    | 0    | 3    | 0    | 3    | 0    | 0    | 0     | 0     |       |
| INS7104                 | ENGINEERING SEISMOLOGY                       | 3 | 0 | 8    | LOC1                             | 0                       | 0    | 0    | 0    | 0    | 0    | 4    | 0    | 0    | 0     | 0     | 0     |
|                         |  |   |   |      | LOC2                             | 0                       | 4    | 0    | 0    | 0    | 0    | 4    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC3                             | 0                       | 4    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC4                             | 4                       | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
| INS7106                 | ANALYTICAL TECHNIQUES IN CONCRETE TECHNOLOGY | 3 | 0 | 8    | LOC1                             | 2                       | 2    | 0    | 3    | 4    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |  |   |   |      | LOC2                             | 3                       | 2    | 0    | 3    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC3                             | 3                       | 3    | 0    | 3    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC4                             | 3                       | 3    | 0    | 3    | 5    | 0    | 0    | 0    | 0    | 0     | 0     |       |
| INS7108                 | ADVANCED STRUCTURAL DYNAMICS                 | 3 | 0 | 8    | LOC1                             | 0                       | 5    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |  |   |   |      | LOC2                             | 3                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC3                             | 3                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC4                             | 3                       | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC5                             | 3                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC6                             | 3                       | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC7                             | 3                       | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC8                             | 3                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC9                             | 0                       | 0    | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC10                            | 0                       | 0    | 0    | 0    | 0    | 0    | 3    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC11                            | 0                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |       |
| INS7110                 | PLATES AND SHELLS                            | 3 | 0 | 8    | LOC1                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC2                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC3                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC4                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC5                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC6                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC7                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC8                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC9                             | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC10                            | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC11                            | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | LOC12                            | 4                       | 3    | 3    | 3    | 4    | 0    | 3    | 0    | 0    | 0     | 2     | 3     |
|                         |  |   |   |      | INS7112                          | BOUNDARY ELEMENT METHOD | 3    | 0    | 8    | LOC1 | 2    | 0    | 0    | 0    | 4     | 0     | 0     |
| LOC2                    | 3  | 0 | 0 | 0    |                                  |                         |      |      |      | 4    | 0    | 0    | 3    | 0    | 0     | 0     |       |
| LOC3                    | 3  | 0 | 0 | 0    |                                  |                         |      |      |      | 4    | 0    | 0    | 3    | 0    | 0     | 0     |       |
| INS7114                 | GEOTECHNICAL EARTHQUAKE ENGINEERING          | 3 | 0 | 8    | LOC1                             | 4                       | 3    | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0     | 0     | 3     |
|                         |  |   |   |      | LOC2                             | 4                       | 3    | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC3                             | 4                       | 3    | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC4                             | 4                       | 3    | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC5                             | 4                       | 3    | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC6                             | 4                       | 3    | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0     | 0     |       |
| INS7116                 | NUMERICAL METHODS IN GEOTECHNICS             | 3 | 0 | 8    | LOC1                             | 4                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     | 0     |
|                         |  |   |   |      | LOC2                             | 4                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC3                             | 4                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC4                             | 4                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC5                             | 4                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC6                             | 4                       | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0     | 0     |       |
| INS7118                 | THE BEHAVIOR OF SOILS                        | 3 | 0 | 8    | LOC1                             | 3                       | 3    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     | 0     |       |
|                         |  |   |   |      | LOC2                             | 3                       | 3    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     |       |       |
|                         |  |   |   |      | LOC3                             | 3                       | 3    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     |       |       |
|                         |  |   |   |      | LOC4                             | 3                       | 3    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     |       |       |
|                         |  |   |   |      | LOC5                             | 3                       | 3    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0     |       |       |

|         |                             |   |   |    |      |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|-----------------------------|---|---|----|------|---|---|---|---|---|---|---|---|---|---|---|---|
|         |                             |   |   |    | LOC6 | 3 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC7 | 3 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC8 | 3 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INS7120 | TRAFFIC SIMULATION MODELING | 3 | 0 | 8  | LOC1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC2 | 3 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC3 | 1 | 2 | 3 | 0 | 2 | 2 | 3 | 0 | 0 | 2 | 3 | 3 |
|         |                             |   |   |    | LOC4 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 3 | 3 | 3 |
| INS7122 | ADVANCED NUMERICAL ANALYSIS | 3 | 0 | 8  | LOC1 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC2 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC3 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC4 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC5 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC6 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| INS7002 | SEMINAR                     | 0 | 2 | 8  | LOC1 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 |
|         |                             |   |   |    | LOC2 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 3 |
| INS7008 | THESIS PROPOSAL             | 0 | 0 | 30 | LOC1 | 3 | 5 | 3 | 5 | 3 | 5 | 3 | 2 | 0 | 0 | 2 | 2 |
| INS7010 | THESIS RESEARCH             | 0 | 1 | 30 | LOC1 | 5 | 3 | 2 | 5 | 5 | 0 | 3 | 2 | 0 | 2 | 0 | 0 |
|         |                             |   |   |    | LOC2 | 3 | 3 | 2 | 4 | 3 | 2 | 5 | 3 | 3 | 0 | 0 | 3 |
|         |                             |   |   |    | LOC3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 5 |
|         |                             |   |   |    | LOC4 | 5 | 3 | 5 | 5 | 5 | 4 | 4 | 3 | 2 | 0 | 3 | 3 |
|         |                             |   |   |    | LOC5 | 5 | 5 | 5 | 4 | 4 | 3 | 5 | 3 | 3 | 2 | 3 | 3 |
|         |                             |   |   |    | LOC6 | 3 | 2 | 3 | 3 | 2 | 5 | 0 | 0 | 5 | 5 | 3 | 3 |
| INS7004 | DOCTORAL QUALIFICATION      | 0 | 0 | 30 | LOC1 | 5 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 3 | 2 | 3 |
| INS7006 | SPECIALIZED FIELD COURSE    | 5 | 0 | 2  | LOC1 | 5 | 3 | 3 | 4 | 5 | 3 | 4 | 0 | 0 | 4 | 3 | 2 |
|         |                             |   |   |    | LOC2 | 3 | 3 | 3 | 5 | 2 | 3 | 4 | 0 | 0 | 0 | 0 | 3 |
|         |                             |   |   |    | LOC3 | 0 | 4 | 3 | 0 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 |
|         |                             |   |   |    | LOC4 | 3 | 3 | 3 | 3 | 5 | 5 | 4 | 3 | 0 | 0 | 0 | 3 |
|         |                             |   |   |    | LOC5 | 3 | 3 | 3 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 |
|         |                             |   |   |    | LOC6 | 3 | 3 | 3 | 3 | 5 | 5 | 0 | 3 | 3 | 3 | 3 | 3 |

Contribution Level: 0-None, 1-Very Low, 2-Low, 3-Medium, 4-High, 5-Very High