

| Department of Civil Engineering Graduate Course Offerings - 2011-2012 Academic Year |  |                   | as of November 10, 2011                        |                         |            |
|---|--|-------------------|--|-------------------------|------------|
| Course No.  | Course Name  | Instructor        | Day  | Time                    | Location   |
| <b>Term IW</b>  | <b>Monday September 12 - Friday October 21, 2011</b>                         |                   |  |                         |            |
| CIV ENG 6G03  | Pavement Materials and Design  | P. Guo            | see undergraduate timetable for CIV ENG 4G04   |                         |            |
| CIV ENG 6M03  | Hydrologic Modeling  | P. Coulibaly      | see undergraduate timetable for EARTH SCI 4W03 |                         |            |
| CIV ENG 703*  | Finite Element Method  | D. Stolle         | Tuesdays                                       | 5:30 PM                 | BSB - B138 |
| CIV ENG 743*  | Fundamental of Soil Behaviour  | P. Guo            | Mondays  | 5:30 PM                 | JHE 332    |
| CIV ENG 704*  | Special Topics: Seismic Behaviour, Analysis and Design of Masonry Structures | W. El-Dakhakhni   | Fridays  | 3:00p.m. - 6:00 p.m.    | JHE 332    |
| CIV ENG 704*  | Special Topics: Introduction to Mechanics of Elastic/Inelastic Solids        | S. Pietruszczak   | Wednesdays                                     | 5:00 pm - 8:00 p.m.     | JHE-332    |
| CIV ENG 704*  | Special Topics: Fundamentals of Multiphase Flow (READING COURSE)             | Y. Guo            | Orientation Mtg to be announced                |                         |            |
| CIV ENG 720#  | Behaviour and Design of Masonry Components                                   | W. El-Dakhakhni   | see undergraduate timetable for CIV ENG 4W04   |                         |            |
| CIV ENG 732*  | Concrete Structures - Materials, Maintenance and Repair (READING COURSE)     | S. Chidiac        | Wednesdays                                     | 9:00 a.m. - 12:00 p.m.  | ETB - 534  |
| CIV ENG 761   | Graduate Seminar Course  | G. Krantzberg     | Fridays  | 11:30 a.m. - 12:20 p.m. | JHE - 144  |
|   |  |                   |  |                         |            |
| <b>Term IX</b>  | <b>Monday October 31, 2011 - Friday December 9, 2011</b>                     |                   |  |                         |            |
| CIV ENG 6G03  | Pavement Materials and Design  | P. Guo            | see undergraduate timetable for CIV ENG 4G04   |                         |            |
| CIV ENG 6M03  | Hydrologic Modeling  | P. Coulibaly      | see undergraduate timetable for EARTH SCI 4W03 |                         |            |
| CIV ENG 703*  | Finite Element Method  | D. Stolle         | Tuesdays                                       | 5:30 PM                 | BSB - B138 |
| CIV ENG 743*  | Fundamental of Soil Behaviour  | P. Guo            | Mondays  | 5:30 PM                 | JHE 332    |
| CIV ENG 704*  | Special Topics: Seismic Behaviour, Analysis and Design of Masonry Structures | W. El-Dakhakhni   | Fridays  | 3:00p.m. - 6:00 p.m.    | JHE 332    |
| CIV ENG 704*  | Special Topics: Introduction to Mechanics of Elastic/Inelastic Solids        | S. Pietruszczak   | Wednesdays                                     | 5:00 pm - 8:00 p.m.     | JHE-332    |
| CIV ENG 722#  | Design and Construction of Masonry Buildings                                 | W. El-Dakhakhni   | Friday Nov. 4, 2011 (orientation mtg)          | 2:30 p.m. -5:30 p.m.    | JHE-332    |
| CIV ENG 732*  | Concrete Structures - Materials, Maintenance and Repair (READING COURSE)     | S. Chidiac        | Wednesdays                                     | 9:00 a.m. - 12:00 p.m.  | ETB - 534  |
| CIV ENG 761   | Graduate Seminar Course  | G. Krantzberg     | Fridays  | 11:30 a.m. - 12:20 p.m. | JHE - 144  |
|   |  |                   |  |                         |            |
| <b>Term IY</b>  | <b>Monday January 9, 2012 - Friday February 17, 2012</b>                     |                   |  |                         |            |
| CIV ENG 6H03  | Analysis of Transportation Systems   | A. Paez           | see undergraduate timetable for GEOG 4LT3      |                         |            |
| CIV ENG 6K04  | Modern Methods of Structural Analysis  | S. Chidiac        | see undergraduate timetable for CIV ENG 4K04   |                         |            |
| CIV ENG 6L04  | Design of Water Resources Systems  | I. Tsanis         | see undergraduate timetable for CIV ENG 4L04   |                         |            |
| CIV ENG 6U03  | Unit Operations and Processes in Environmental Engineering                   | TBA               | see undergraduate timetable for CIV ENG 4V04   |                         |            |
| CIV ENG 704*  | Special Topics: GIS Applications in Water Resources (Reading Course)         | I. Tsanis         | Orientation Mtg to be announced.               |                         |            |
| CIV ENG 714*  | Advanced Structural Mechanics  | K. S. Sivakumaran | Wednesday                                      | 6:00 p.m. - 9:00 p.m.   | JHE-144    |
| CIV ENG 716#  | Structural Dynamics  | M.Tait            | Thursdays                                      | 5:30 pm - 8:30 p.m.     | JHE - 144  |
| CIV ENG 744*  | Soil Dynamics  | P. Guo            | Tuesdays                                       | 5:30 pm - 8:30 p.m.     | JHE 332    |
| CIV ENG 757*  | Advanced Statistical and Data Driven Methods in Hydrology                    | P. Coulibaly      | Tuesdays & Thursdays starting Feb. 14 2012     | 5:30 p.m. - 8:30 p.m.   | GSB-329    |
| CIV ENG 730*  | Earthquake Engineering   | J. Wilson         | Thursdays                                      | 1:30 p.m. - 4:30 p.m.   | JHE - 144  |
| CIV ENG 761   | Graduate Seminar Course  | G. Krantzberg     | Fridays  | 11:30 a.m. - 12:30 p.m. | JHE - 144  |
| CIV ENG 799*  | Stormwater Management Modelling and Analyses                                 | Y. Guo            | Thursdays                                      | 5:30 p.m. - 8:30 p.m.   | JHE - 332  |
|   |  |                   |  |                         |            |
|   |  |                   |  |                         |            |
| <b>Term IZ</b>  | <b>Monday February 27, 2012 - Friday April 6, 2012</b>                       |                   |  |                         |            |
| CIV ENG 6H03  | Analysis of Transportation Systems   | A. Paez           | see undergraduate timetable for GEOG 4LT3      |                         |            |
| CIV ENG 6K04  | Modern Methods of Structural Analysis  | S. Chidiac        | see undergraduate timetable for CIV ENG 4K04   |                         |            |
| CIV ENG 6L04  | Design of Water Resources Systems  | I. Tsanis         | see undergraduate timetable for CIV ENG 4L04   |                         |            |
| CIV ENG 6U03  | Unit Operations and Processes in Environmental Engineering                   | TBA               | see undergraduate timetable for CIV ENG 4V04   |                         |            |
| CIV ENG 714*  | Advanced Structural Mechanics  | K. S. Sivakumaran | Wednesday                                      | 6:00 p.m. - 9:00 p.m.   | JHE-144    |
| CIV ENG 717#  | Dynamics of Structural Systems   | M. Tait           | Thursdays                                      | 5:30 pm - 8:30 p.m.     | JHE - 144  |
| CIV ENG 744*  | Soil Dynamics  | P. Guo            | Tuesdays                                       | 5:30 pm - 8:30 p.m.     | JHE - 332  |
| CIV ENG 757*  | Advanced Statistical and Data Driven Methods in Hydrology                    | P. Coulibaly      | Tuesdays & Thursdays starting Feb. 14 2012     | 5:30 p.m. - 8:30 p.m.   | GSB-329    |
| CIV ENG 730*  | Earthquake Engineering   | J. Wilson         | Thursdays                                      | 1:30 p.m. - 4:30 p.m.   | JHE - 144  |
| CIV ENG 761   | Graduate Seminar Course  | G. Krantzberg     | Fridays  | 11:30 a.m. - 12:30 p.m. | JHE - 144  |
| CIV ENG 799*  | Stormwater Management Modelling and Analyses                                 | Y. Guo            | Thursdays                                      | 5:30 p.m. - 8:30 p.m.   | JHE - 332  |
|   |  |                   |  |                         |            |
| # quarter courses (6 week modules)  |  |                   |  |                         |            |
| * half course   |  |                   |  |                         |            |
| TBA = To be Announced   |  |                   |  |                         |            |
| Q:\Course Offerings\Grad Crse Offerings 2011-2012 as of December 15, 2011.xls       |  |                   |  |                         |            |

