GGE Geodesy and GNSS Stream
Course-based M.Eng and M.Sc.E.
Sept 2011

Requirements:

Course Based MEng: 30 credit hours of courses with at least 12 credit hours at the 6000 level

MScE (Research): 12 ch of courses at the 6000 level; Masters Thesis; 2 Graduate seminars

Fall Term 1

Recommended:

GGE 3042 Space Geodesy (Langley)	3 ch
GGE 3122 Advanced Adjustment Calculus (Santos)	3 ch
GGE 5042 Kinematic Positioning (Kim)	3 ch
GGE 6212 Geodynamics (Dare)	3 ch
GGE 6102 Quantitative Analysis (Santos)	3 ch

Suggested Options:

English as a Second Language	no credit
Comp Sci 2023- C/C++	no credit
GGE 5901 Special Study in Geomatics I (Directed Studies)	1 ch
GGE 5902 Special Study in Geomatics II (Directed Studies)	2 ch
GGE 5903 Special Study in Geomatics III (Directed Studies)	3 ch

Winter Term 2

Recommended:

GGE 4211 Geodesy II (Santos)	3 ch
GGE 6242 *Extraterrestrial Positioning (Langley)**	3 ch
GGE 5242 *Special Studies in Geodesy (Langley)**	3 ch
GGE 6231 Satellite Gravimetry (Santos)***	3 ch
GGE 5222 Gravity Field & Geodetic Network (Santos-not offered 09/10)***	3 ch
GGE 6910 Graduate Seminar (proposal)****	

* GGE 5242/6242 is offered based on student enrolment – 3 students minimum.
** Students can take either one of GGE 6242/GGE 5242, not both
*** Students can take either one of GGE 6231/GGE 5222, not both
**** Not applicable to course-based M.Eng.

Suggested Options:

GGE 5901 Special Study in Geomatics I (Directed Studies)	1 ch
GGE 5902 Special Study in Geomatics II (Directed Studies)	2 ch
GGE 5903 Special Study in Geomatics III (Directed Studies)	3 ch
GGE 6922 Research (Directed Studies)	3 ch

Summer Term 3

Recommended:

GGE 6922 Research (Directed Studies)	3 ch

Fall Term 4

Recommended:

GGE 3042 Space Geodesy (Langley)	3 ch
GGE 3122 Advanced Adjustment Calculus (Santos)	3 ch
GGE 6212 Geodynamics (Dare)	3 ch

Suggested Options:

GGE 5042 Kinematic Positioning (Santos)	3 ch
GGE 5901 Special Study in Geomatics I (Directed Studies)	1 ch