



The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

***GEOMATICS ENGINEERING
COURSE EQUIVALENTS***
2004 Edition

University of Alberta

University of Calgary

04-GEOM-A1 Surveying

CIV E 250 Plane Surveying
&
CIV E 251 Survey School

ENGO 343 Fundamentals of Surveying

04-GEOM-A2 Adjustment of Observations and Data Analysis

No Course Equivalent

ENGO 361 Least Squares Estimation

04-GEOM-A3 Geodesy and Positioning

No Course Equivalent

ENGO 421 Coordinate Systems
&
ENGO 423 Geodesy

04-GEOM-A4 Photogrammetry

No Course Equivalent

ENGO 431 Analytical Photogrammetry

04-GEOM-A5 Remote Sensing and Image Analysis

EAS 451 Digital Remote Sensing

ENGO 435 Remote Sensing

04-GEOM-A6 Cadastral Studies

No Course Equivalent

ENGO 455 Land Tenure and Cadastral
Systems

04-GEOM-A7 Geospatial Information Systems

No Course Equivalent

ENGO 351 Introduction to Geospatial
Information Systems
&
ENGO 451 Design and Implementation of
Geospatial Information Systems

04-GEOM-B1 Digital Terrain Modelling

No Course Equivalent

ENGO 573 Digital Terrain Modelling

04-GEOM-B2 Satellite Navigation

No Course Equivalent

ENGO 465 Satellite Positioning

04-GEOM-B3 Networks and Precise Engineering Surveys

No Course Equivalent

ENGO 419 Geomatics Networks
&
ENGO 567 High-Precision Surveys

04-GEOM-B4 Hydrography

No Course Equivalent

ENGO 545 Hydrography

04-GEOM-B5 Survey Law

No Course Equivalent

ENGO 579 Survey Law

04-GEOM-B6 Land Use Planning & Environmental Management

No Course Equivalent

ENGO 581 Land Use Planning

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