Dr David Forrest
School of Geographical & Earth Sciences

Introduction to Geomatics
PGT Programmes
School of Geographical and Earth Sciences

Teaching Surveying and Mapping for over 100 years
PGT programmes since 1964
Taught Postgraduate Programmes in Geomatics

- Geoinformation Technology & Cartography
  - MSc, PGD, PGC
- Geomatics & Management
  - MSc – full time only
- Geospatial & Mapping Sciences
  - MSc, PGD, PGC
- Land & Hydrographic Surveying
  - MSc, PGD, PGC
- Land & Hydrographic Surveying with Work Placement
  - MSc only
Geomatics: Surveying and Measurements

G&MS

L&HS

Data Collection

GPS

GT&C

Data Management

Data Presentation

Data Processing
Only programme in UK with significant focus on map design and geovisualisation

Significantly based on use of GIS for data management and mapping

Covers map design & production for web mapping and location based services

Also includes Remote Sensing, Geodatabases, Data Science, ...
• Focus on data capture and processing
• Covers land surveying, hydrographic surveying and engineering surveying
• Significant focus on practical work including week long field course
• Available with MSc project, or Work Placement
  – 6 month work placement in industry to gain skills and experience
  – Work placement programme has slightly higher entry qualifications and places more limited
Flexibly programme

Core courses covering essentials of Geospatial Science
  – Some flexibility depending on previous qualifications

Specialist options across both L&HS and GT&C
Key points of programmes (1)

• Only 2 programmes in UK similar to L&HS
• GT&C is only programme in UK focusing on cartography
• Geomatics & Management is unique globally

• Course fee includes:
  – Survey field course
  or
  GIS field course
• Access to latest equipment and industry standard software
Key points of programmes (2)

- Professional accreditation
  - Royal Institution of Chartered Surveyors
  - Chartered Institution of Civil Engineering Surveyors

- Programmes strongly supported by industry
  - Curriculum developed with industry
  - Lectures and seminars regularly given by industry professionals
  - Professional CPD meetings held within the University
    - Opportunities to meet with those working in the industry
• Our employment record is outstanding
  – Many students get job offers before completing programme
  – Demand exceeds supply in survey sector
  – Many of our graduates are in key positions in industry and government agencies globally

• Many of our graduates remain in contact
  – We have a global network of potential employers who are familiar with our programmes and graduates
  – Staff are regularly contacted about vacancies
  – Key employers give presentations & conduct interviews on site
Thank you

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