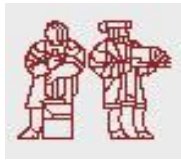# Information Quality at the University of Westminster, London, UK

➢ The University of Westminster is in the centre of the business and commercial areas of London
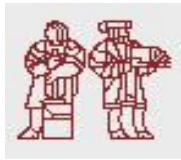

➢ We have a portfolio of Business Intelligence MSc Courses (www.westminsterbusiness.org) for which Information Quality is an important new addition
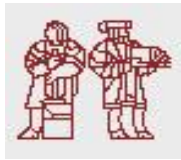
Information Quality at the University of Westminster

- There has been a great deal of change in the nature of IT employment in the capital

- However, the employment sector is in high growth in all areas of Business Intelligence. This is likely to continue because the management of intelligent information needs to remain close to the business centres because of its high change and business-centric nature

- We see information quality as a key step in the delivery of business intelligence
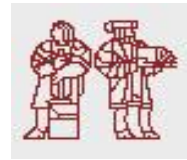
Portfolio of Business Intelligence MScs

- We perceive the employment sector as divided into the following key areas, all of which are vital to the successful development of business excellence

- **Information Quality**
  - Extraction of the right data at the right time for the right people

- **Decision Support**
  - Solving business problems efficiently

- **Data Mining**
  - Manipulating the data to obtain the maximum amount of information

- **Enterprise Information**
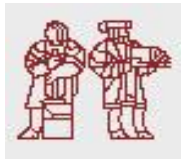 - Identifying and meeting organisation objectives

Business Intelligence - Common areas taught

- The business intelligence MScs share a common set of modules

- This ensures student share a grasp of the main concepts behind enterprise success

- However, each MSc has a specialist focus which allows students to specialise in a particular aspect of business intelligence

- In particular the students of the MSc in Information quality will study
  - Information Quality
  - Information Security
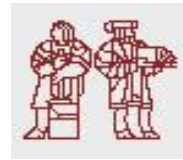 - Information Quality Projects and project preparation

What is Information Quality?

- A graduate of the MSc programme will:

    – formulate objectives for the business and ensure that the right information is available to meet them

    – understand the importance of data quality at all levels of the organisation

    – estimate correctly the accuracy/timeliness and criticality of information

    – establish both internal and external information quality standards and use strategies to ensure compliance

    – put in procedures to ensure quality standards, by selecting and using appropriate tools and management processes

Accreditation

- All Courses at the University of Westminster receive BCS (British Computer Society) Accreditation

- The accreditation process occurs after a visit by BCS consultants once the first cohort of students has successfully graduated

- It involves us demonstrating academic standards backed by evidence of real employment prospects for our graduates

The Business Intelligence Team at University of Westminster

- Dr Tereska Karran (Karrant@wmin.ac.uk)
  - Course leader for
    - **MSc Enterprise Information Systems**
    - **MSc Information Quality**
- Research interests:
    - **Business intelligence and business intelligent architectures**
    - **Public private partnership performance monitoring, Autonomous monitoring systems**
    - **Managing and monitoring data quality**
    - **Personalisation systems**

- Dr Thierry Chaussalet (Chausst@wmin.ac.uk)
- Course Leader for
    - **MSc Data Mining**
- Research Interests
    - **Data Mining applications**
    - **Medical informatics**
    - **Intelligent architectures**
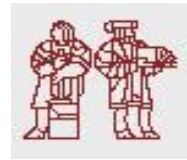   - **Monitoring systems**

The Business Intelligence Team at University of Westminster

- Charles Poulter (Poultec@wmin.ac.uk)
- Course leader for MSc Decision Science
  - Research interests
    - **Mathematical simulation and modeling**
    - **Statistical inferencing**

- Mike Rees (Reesm@wmin.ac.uk)
- Director of Knowledge Transfer
- Course Leader for MSci Business Intelligence
  - Research Interests
    - **Software architecture, Financial modelling, Time series analysis and forecasting**
    - **Clinical research systems, performance monitoring and risk assessment**

MSc Information Quality **Details**

- The MSc programme runs in both full time and part time evening mode

- The course is running for the first time this academic year 2007/8

  – Contact

  – Karrant@wmin.ac.uk

  – or

  – Cav-admissions@wmin.ac.uk

Publications, Papers and Research Initiatives

Journals:

Szirbik, N., Pelletier, C. and Chaussalet, T.J. (2006) Six methodological steps to build medical data warehouses for research. *International Journal of Medical Informatics*, 75:683-691.

Rees, M. and Dineschandra, J. (2005) Monitoring Clinical Performance: The role of software architecture. *Health Care Management Science*, 8:197-203.

Conferences:

Karran, T., Wright, S., (2007) Towards Database Autonomy: An Approach Using Complex Organic Distributed Architecture (CODA) EEE'07 World Comp 07

Teaching Company Schemes (DTI Teaching Company Directorate and the Nutricentre):

"Development of an Adverse Event Reporting and Risk Assessment System for Herbal Medicines and Nutritional Supplements for the Nutricentre" (PI: Dr David Peters, School of Integrated Health – UoW/ SoI Investigator/Contractor: T. Chaussalet), TCS3250: circa £200,000, Sep 2001 – Aug 2003.