

**Universitatea „Petru Maior” Tg. Mureş  
Facultatea de Științe Economice, Juridice și Administrative  
Departamentul de Finanțe – Contabilitate  
Nr. 13 din 16.01 2014**

**Theme evidence of competition for the post of Associate Professor, position 10 of the State  
functions in Department of Finance – Accounting  
Academic year 2013 - 2014**

**Subjects in the curriculum**

Data mining,  
Specialized software packages,  
Econometrics,  
Management information system design

**Theme evidence of competition**

1. Data classification methods,
2. Hierarchical Clustering and No Hierarchical Clustering,
3. Software packages: MRP, ERP, CRM, SCM,
4. Panel data model,
- 5. Panel data inferential statistics,
6. Configuring ERP System,
7. Data migration in implementing an ERP system

**Bibliography:**

1. H. Edelstein, Introduction to Data Mining and Knowledge Discovery, Two Crows Corporation, Potomac, MD, USA 1999.
2. I.H. Witten and E. Frank, Data Mining: Practical Machine Learning Tools and Techniques, Morgan Kaufmann series in Data Management System, Elsevier Inc, 2005.
3. D. Hand, H. Mannila, P. Smyth, Data Mining and Statistics: What's the connection?, Department of Statistics and Stanford Linear Accelerator Center, MIT Press, Cambridge, MA, USA, 2001.
4. D. Oprea, Analiza și proiectarea sistemelor informaționale economice, Editura Polirom, Iași, 1999.
5. J.M. Wooldridge, Econometric Analysis of Cross-Section and Panel Data (MIT Press, Massachusetts), 2002.
6. B. H. Baltagi, Econometric Analysis of Panel Data, John Wiley & Sons Ltd., 2005.
7. N. Verma, Business Process Management: Profiting from Process. New Delhi, India: Global India Publication Pvt. Ltd., 2009.
8. C. A. Ptak, E. Schragenheim (2003). ERP: tools, techniques, and applications for integrating the supply chain, Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487, USA: CRC Press.

**Director Departament,  
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