

**TUTORIAL COURSE FORM – 2018-2019 ACADEMIC YEAR**

<b>Name of the tutorial course (Erasmus/exchange students)</b>	Cluster and Ranking Analysis
<b>Professor</b>	<b>Name:</b> Carmen PINTILESCU <b>Office</b> B321 (groundfloor) <b>Email:</b> <a href="mailto:carmen.pintilescu@uaic.ro">carmen.pintilescu@uaic.ro</a>
<b>Semester in which the tutorial course is available</b>	2 <sup>nd</sup> semester
<b>No. of ECTS credits</b>	7
<b>Level of study</b>	Master
<b>Short description/Contents</b>	<i>Description:</i> The course will present the multivariate statistical methods applied in classification analysis.  <i>Content:</i> Discriminant Analysis Cluster Analysis (Hierarchical Cluster, K-Means Cluster, Two-Step Cluster) Cases studies in SPSS and R
<b>Assessment</b>	Individual Project using the statistical software SPSS and/or R
<b>Bibliography</b>	<ol style="list-style-type: none"> <li>1. Escofier, B., Pages, J., <i>Analyses factorielles simples et multiples</i>, 5<sup>ème</sup> édition, Editure Dunod, Paris, 2016.</li> <li>2. Everitt, B.S., Dunn, G., <i>Applied Multivariate Data Analysis</i>, Arnold, London, 2001.</li> <li>3. Field, A., Miles, J., Field, Z., <i>Discovering Statistics Using R</i>, Sage Publications Ltd, 2012</li> <li>4. Hair, J., Black, W., Babin, B., Anderson, R., Tatham, R., <i>Multivariate Data Analysis</i>, Pearson Education International, 2006.</li> <li>5. Tabachnick B., Fidell L., <i>Using Multivariate Statistics</i>, Pearson International Edition, 2007.</li> </ol>
<b>Observations</b>	