<table>
<thead>
<tr>
<th>Course Title:</th>
<th>Experimental Psychology</th>
<th>Term/Semester/Year:</th>
<th>Spring, 2010</th>
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<tr>
<td>Course Catalog Number:</td>
<td>PSYC3202</td>
<td>Instructor:</td>
<td>John Santelli</td>
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<td>Course Description:</td>
<td>Developing understanding of basic scientific research methods including experimental design, data analysis and interpretation via the methodological approach: The formulation, carrying-out and APA format reporting of psychology research projects.</td>
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<td>Prerequisites (If any):</td>
<td>Statistics, PSYC-2201. May be taken as a co-requisite.</td>
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| Goals and Objectives: | ● Developing critical and creative thinking, including skeptical inquiry.  
● The formulation of research projects beginning with an understanding of the project-relevant major concepts, theories, prior research findings and historical context.  
● Formulating operational definitions and implementation of a parsimonious and un-confounded research plan.  
● Crafting an experimental report in APA manuscript format, which emphasizes clear, logically rigorous, communication.  
● Using human participants that require understanding risk/benefit considerations and related ethical review.  
● Familiarity with the use of database technology to formulate the plan and technological literacy to implement data collection and analysis.  
● Reading and critically commenting on published research. |
| Course Topics:       | ● The Scientific Method, Scientific Mentality and Scientific Explanation  
● Formulating the Hypothesis  
● The Basics of Experimentation and the Between Subjects Design  
● The Within Subjects (repeated measures) Design  
● Writing the Experimental Report  
● The Between Subjects Factorial Design  
● Research Ethics |
| Text:                | Myers, A. & Hansen, C. H. (2002) Selected Chapters from Experimental Psychology, (Special FDU Metropolitan Campus Edition (available only in our bookstore at a