**FLORIDA ATLANTIC UNIVERSITY**

**Undergraduate Programs—COURSE CHANGE REQUEST**

<table>
<thead>
<tr>
<th>Department</th>
<th>PHYSICS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Prefix and Number</strong></td>
<td><strong>PHY 4523</strong></td>
</tr>
<tr>
<td><strong>College</strong></td>
<td>SCIENCE</td>
</tr>
<tr>
<td><strong>Current Course Title</strong></td>
<td><strong>STATISTICAL MECHANICS</strong></td>
</tr>
</tbody>
</table>

| **Change(s) are to be effective (list term)** | **FALL 2016** |
| **Change Title to:** | **STATISTICAL PHYSICS** |
| **Change Prefix from:** | **to:** |
| **Change Course No. from:** | **to:** |
| **Change Credits** | **from: 3 to: 4** |
| **Change Grading from:** | **to:** |
| **Change WAC/Gordon Rule Status** | **ADD** | **REMOVE** |
| **Change General Education Requirements** | **ADD** | **REMOVE** |

**Change Description to:**

This course is an introduction to the statistical mechanics and thermodynamics of macroscopic systems in equilibrium. It develops various ensemble theories and uses them to study the physical properties of classical and quantum ideal gases, crystals, magnetic materials, and other systems.

**Change Prerequisites/Minimum Grades to:**

**Change Corequisites to:**

**Change Registration Controls to:**

*Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).*

**Faculty contact, email and complete phone number:**

alaug@fau.edu, 7-3380

**Attach syllabus for ANY changes to current course information.**

**Should the requested change(s) cause this course to overlap any other FAU courses, please list them here:**

**Approved by:**

Department Chair:  
College Curriculum Chair:  
College Dean:  
UUPC Chair:  
Undergraduate Studies Dean:  
UFS President:  
Provost:  

**Date:**  
1/29/16

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist:  
   www.fau.edu/academic registrar/UUPCinfo
2. Review Provost Memorandum:  
   Definition of a Credit Hour  
   www.fau.edu/academic registrar/Definition_Credit_Hour_Memo_2012.pdf
3. WAC approval (attach if applicable)
4. Gen. Ed. approval (attach if applicable)
5. Consent from affected departments (attach if applicable)

Email this form and syllabus to mjennig@fau.edu seven business days before the UUPC meeting.

FAU Change—Revised July 2015