Towards the end of the document, there is a table depicting the class schedule for TAM 598 Advanced Special Topics in Theoretical and Applied Mechanics. The table includes columns for CRN, Type, Section, Time, Days, Location, and Instructor. The course is offered for 1 TO 4 hours of credit and is intended to cover subject offerings of new and developing areas of knowledge in theoretical and applied mechanics. It is intended to augment the existing curriculum and may be repeated. The credit hour requirements and specific times, days, and locations vary for the different sections.

The table details three sections:

1. Section CRN 64903: Conference Type, Section 211, Time 12:00 PM - 01:50 PM, Days M, Location 252 - Mechanical Engineering Bldg, Instructor Kersh, M Mercier, E

2. Section CRN 64904: Conference Type, Section 212, Time 12:00 PM - 01:50 PM, Days M, Location 252 - Mechanical Engineering Bldg, Instructor Mercier, E West, M

3. Section CRN 64906: Conference Type, Section 251, Time 12:00 PM - 01:50 PM, Days M, Location 252 - Mechanical Engineering Bldg, Instructor Mercier, E Sohn, M

Each section has an associated credit hour requirement, and some require departmental approval.

For the section CRN 62172, the format is Online, IJ1, ARRANGED, with no specified time or location, and the instructor is Jasiuk, I. This section also requires 4 hours of credit.

The text concludes with a note regarding credit hour restrictions for specific programs and departments.

This detailed representation captures the key information from the page as accurately as possible.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>65097</td>
<td>Lecture-Discussion</td>
<td>01:00 PM</td>
<td>WF</td>
<td>241 - Everitt Elec &amp; Comp Engr Lab</td>
<td>Jasiuk, I</td>
</tr>
<tr>
<td>60164</td>
<td>Lecture-Discussion</td>
<td>01:00 PM</td>
<td>MW</td>
<td>1214 - Siebel Center for Comp Sci</td>
<td>Ewoldt, R</td>
</tr>
<tr>
<td>65348</td>
<td>Lecture-Discussion</td>
<td>09:00 AM</td>
<td>MWF</td>
<td>335 - Mechanical Engineering Bldg</td>
<td>Freund, J</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours

Adv Modeling Bio Materials
Restricted to Graduate - Urbana-Champaign.
TAM 598 IJG 65097 meets with TAM 498 IJU 65098. Students may not receive credit for both TAM 498 IJU and TAM 598 IJG.

Credit Hours: 4 hours

Non-Newt Fl. Mech. & Rheology
This course will provide a basic foundation in the mechanics and rheology of structurally complex liquids whose behavior can be modeled as a continuum but cannot be modeled as Newtonian with constant viscosity. Key ideas include rheological property measurement, tensorial constitutive models, flow calculations, basic structure-property relations, and design with nonlinear viscoelastic properties. Concepts will apply to a diverse range of materials such as polymer solutions, polymer melts, colloidal suspensions, emulsions, foams, pastes, biological fluids, biological gels, hydrogels, active soft matter, nano-composites, and inks. PREREQUISITES A general knowledge of ordinary and partial differential equations is required. Introductory coursework in mechanics (fluid, solid or continuum) is necessary. Intermediate fluid dynamics is strongly suggested (e.g. TAM 435).

Credit Hours: 4 hours

Uncertainty Quantification