Class Schedule - Fall 2013

Crop Sciences

CPSC 452  **Evol Genetics and Genomics**  credit: 3 hours.
Selected contemporary topics in genetics and genomics underlying adaptation are covered with examples primarily from plants, humans and animals. Topics include nature of genes and genomes, molecular phylogeny, mutations and their analysis, allelic diversity in population, quantitative trait loci, selection, and crop domestication. Emphasis is on molecular evolution that aids plant improvement. Serves as an introduction to functional genomics, population genetics, quantitative genetics, and bioinformatics. Same as IB 478. Prerequisite: CPSC 352 or IB 204, or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>30076</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>22 - ACES Lib, Info &amp; Alum Ctr</td>
<td>Hanzawa, Y</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours