## INSTRUCTIONS:
Please check the items below which describe the purpose of this request.

### PURPOSE
- 1. Deletion of a course
- 2. New course with supporting documents
- 3. Add existing course offered at another campus
- 4. Change in course number at same level
- 5. Downingrad of course level
- 6. Upgrading of course level
- 7. Change in course title
- 8. Change in semesters offered
- 9. Change in course credit type
- 10. Change in course attributes
- 11. Change in instructional hours
- 12. Change in prerequisites
- 13. Change in description of course content
- 14. Transfer of course from one dept. to another

### EXISTING:

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Course Number</th>
<th>Proposed Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE</td>
<td>648</td>
<td>Wavelet, Time-Frequency, and Multirate Signal Processing</td>
</tr>
</tbody>
</table>

### PROPOSED:

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
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</tr>
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<tbody>
<tr>
<td>ECE</td>
<td>648</td>
</tr>
</tbody>
</table>

### SEMESTERS OFFERED

<table>
<thead>
<tr>
<th>Semester</th>
<th>Offered in alternate years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### CROSS LISTED COURSES

### CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range: Minimum Cr. Hrs. (Check One) Or Maximum Cr. Hrs.
3. Equivalent Credit: Yes No ✓
4. Thesis Credit: Yes No ✓

### COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Prerequisite: EE 538 or consent of instructor
Advanced topics in signal processing including time-frequency analysis, multiscale edge detection, wavelet bases and filter banks, and techniques for approximation, estimation, and compression using wavelets.

### CAMPUS(ES) INVOLVED

- Calumet
- Fort Wayne
- Indianapolis
- North Central
- West Lafayette
- Off Campus

### OFFICE OF THE REGISTRAR