Course Name:
Structural Analysis II

<table>
<thead>
<tr>
<th>Course Number: 20-013</th>
<th>Credit: 2</th>
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<tbody>
<tr>
<td>Program: Undergraduate</td>
<td>Course Type: Technical elective</td>
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<tr>
<td>Prerequisite: Structural Analysis I</td>
<td>Corequisite: -</td>
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Course Description (Objectives):
The main objective of this course is to provide the knowledge to calculate distribution of forces in members of indeterminate structures and to calculate the resultant deformations.

Course Content (outline):
- Analysis of indeterminate structures by Displacement Method: Slope-deflection method
- Analysis of indeterminate structures by Displacement Method: Moment distribution method
- Nonprismatic members
- Approximate analysis of structures
- Influence line for indeterminate structures

References: