The course provides a comprehensive coverage of the reverse engineering (RE) technique to gain the knowledge and experience in design challenges. The emphasis is very much on the practical application of new approach to design practice or related field. It comprises the following topic in lectures and practical sessions. In addition to the lectures, student undertakes various group and individual projects to gain opportunities to implement RE solution to design practices.

Course contents include:

- Overview of the Reverse Engineering
- Understand the 3D digitization process
- Data processing and manipulation
- Appreciate the CAD Model reconstruction
- Computer aided process for Design Realisation

<table>
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<tr>
<th>Assessment method(s)</th>
<th>Coursework</th>
<th>40%</th>
<th>Project</th>
<th>60%</th>
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<tr>
<th>Course code</th>
<th>Dates</th>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>IC3125-04A</td>
<td>19 July - 19 August 2004</td>
<td>Mondays &amp; Thursdays</td>
<td>6:00 pm - 9:00 pm</td>
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OrganiSing dept. : IC  
No. of sessions : 10, 3 hours each  
Medium of instruction : English & Cantonese  
Venue : PolyU Campus  
Fee : $3,800