

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
			a	b	c	d	e	f
	1. Homework assignment	20%	√	√	√	√	√	√
2. Test	20%	√	√		√	√	√	
3. Case study report and presentation	20%	√	√	√	√	√	√	
4. Examination	40%	√	√	√	√	√	√	
Total	100%							
<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Overall Assessment: $0.50 \times \text{End of Subject Examination} + 0.50 \times \text{Continuous Assessment}$</p> <p>The continuous assessment consists of three components: homework assignments, test, and case study report & presentation. They are aimed at evaluating the progress of students study, assisting them in self-monitoring of fulfilling the respective subject learning outcomes, and enhancing the integration of the knowledge learnt.</p> <p>The examination is used to assess the knowledge acquired by the students for understanding and analyzing the problems critically and independently; as well as to determine the degree of achieving the subject learning outcomes.</p>								
Student Study Effort Expected	Class contact:							
	▪ Lecture						24 Hrs.	
	▪ Tutorial/Case study/Laboratory						15 Hrs.	
	Other student study effort:							
	▪ Self Study						45 Hrs.	
	▪ Case study report preparation and presentation						21 Hrs.	
	Total student study effort							105 Hrs.
Reading List and References	<ol style="list-style-type: none"> Pahl G. and Beitz W., <i>Engineering Design</i>, Springer-Verlag, latest edition. Ulrich K. and Eppinger S., <i>Product Design and Development</i>, McGraw-Hill, latest edition. Otto K. and Wood K., <i>Product Design: Techniques in Reverse Engineering and New Product Development</i>, Prentice Hall, latest edition. Clausing D., <i>Quality Function Deployment</i>, MIT Press, latest edition. Crawford C. M. and Di Benedetto C.A., <i>New Product Management</i>, McGraw-Hill, latest edition. Cooper R. G., <i>Winning at New Products: Accelerating the Process from Idea to Launch</i>, Perseus Books, latest edition. Buchanan R. et al., <i>The Idea of Design</i>, MIT Press, latest edition. Adams J. L., <i>Conceptual Blockbusting: a Guide to Better Ideas</i>, Addison-Wesley, latest edition. 							