

## Lab Marking Scheme

**No Attendance = No Mark**

<b>Pre-Lab</b>	<b>10</b>
These marks are only awarded if the student showed the pre-lab work during the lab session.	
<b>Simulation and Demo</b>	<b>50</b>
These marks are only awarded for work shown during the lab and are divided as follows:	
<b>Simulation</b>	(20)
The simulation has to be fully functional in order to award the marks.	
<b>Demo</b>	(30)
Partial marks can be awarded if the demonstration is not fully functional. This is at the TA's discretion, based on how much of the functionality is missing.	
<b>Lab Report</b>	<b>40</b>
These marks are awarded based on the quality and factual accuracy of the content of the lab report. The marks are divided among the following items:	
<b>Introduction</b>	(5)
Should clearly state the objectives and sub-objectives (if any), in the students' own words, <b>not</b> the lab manual's (marks will be deducted if they copy & paste from the lab manual). Should also contain the equipment, software and tools used to perform the lab.	
<b>Design</b>	(20)
These marks are awarded for a correct design. This includes: correct truth tables and/or Karnaugh maps (these do not have to be in the lab report <b>if</b> they are already part of the pre-lab, provided that the pre-lab is readable), and a correct diagram of the circuit (the student <b>must</b> include a screenshot of the appropriate block design files; the student may choose to draw their own diagram, but the screenshots <b>must</b> be provided as well). If there is a schematic but the screenshot is missing, deduct 5 marks.	
<b>Simulation and Verification</b>	(5)
These marks are awarded only if the lab report contains the appropriate screenshots (compilation result, simulation, and the result of the Quartus II Programmer). All screenshots must be clear enough to read.	
<b>Discussion and Conclusion</b>	(5)
These marks are awarded if the report contains a pertinent discussion of what problems were encountered and what was learned from the lab, as well as a short conclusion.	
<b>Report Format</b>	(5)
These are marks awarded at the TA's discretion based on the following criteria:	
<ul style="list-style-type: none"><li>• The report contains a logical and easy to follow flow of ideas.</li><li>• The report is a self-contained reading (no need to refer to other documents in order to understand what the experiment was about and to follow what was done).</li><li>• The report is relatively tidy and has no major spelling and grammar errors.</li></ul>	
<b>TOTAL</b>	<b>100</b>