

Course Code	TKEE163224P											
Course Name	Digital Signal Processing (DSP) Devices Lab. Work											
Course Instructors	Litasari											
Course Type	Selected Elective											
Course Classification	Engineering Topics											
Credit / Contact Hour per Week	3 / 150 minutes per Week											
Course Description	This course emphasizes the practical aspects of digital signal processing field, i.e, DSP devices utilization and design using logic gates or microprocessors.											
Prerequisites Courses	-											
Covered Student Outcome	Engineering Design (c) Modern Tools Utilization (e)											
Learning Outcome	<ol style="list-style-type: none"> 1. Students are expected to understand the concept of DSP devices 2. Students are able to generate an algorithm for DSP engineering 3. Students know the cutting-edge DSP devices that are available today 4. Students are able to use programming software for DSP devices 											
Topic	<ol style="list-style-type: none"> 1. Introduction to DSP Devices 2. Introduction to DSP software: Xilinx 3. Logic gates techniques in Xilinx 4. Introduction to advanced DSP in Xilinx 5. Final Project: DSP Design using Xilinx 											
Direct Assessment	<table border="1"> <thead> <tr> <th>Direct Assessment Plan</th> <th>Measured Learning Outcome</th> </tr> </thead> <tbody> <tr> <td>Report 1</td> <td>LO1, LO3</td> </tr> <tr> <td>Report 2</td> <td>LO2</td> </tr> <tr> <td>Report 3</td> <td>LO2, LO4</td> </tr> <tr> <td>Final Assignment</td> <td>LO2, LO4</td> </tr> </tbody> </table>		Direct Assessment Plan	Measured Learning Outcome	Report 1	LO1, LO3	Report 2	LO2	Report 3	LO2, LO4	Final Assignment	LO2, LO4
Direct Assessment Plan	Measured Learning Outcome											
Report 1	LO1, LO3											
Report 2	LO2											
Report 3	LO2, LO4											
Final Assignment	LO2, LO4											
Indirect Assesment	Questionnaire (EDOM)											
References												