

## Welding

Course name	Credit units
Advanced Welding Technology 1	2
Advanced Welding Metallurgy 1	2
Advanced Welding Technology 2	2
Solidification phenomena in Welding Process	2
Inspection and Quality Control in welding Process	2
Advanced Welding Lab	2
Advanced Welding Technology 2	2
Advanced Analysis and Characterization Methods in Materials Study	2
Lab of Advanced Analysis and Characterization Method in Materials Study	2
Fracture Mechanics and Fatigue of Materials	2
Errors and Uncertainty in Measurement and Research of Materials	1
Additive Manufacturing	2
Computational <i>Weld</i> Mechanics	2
Brazing and <i>Soldering</i>	2
Diffusion in Solids	2
Advanced Surface Engineering	2
Adhesives and Non-Metallic Joining	2
Stress Analysis in Welding	2
Advanced Materials Thermodynamics	2
Mechanical Features of Corrosion in Welding	2
Finite Element Methods	2
Advanced Engineering Mathematics	2
Special Topic in Welding Process	2
Entrepreneurship in Welding Engineering	2
Internship	2
Seminar (I)	1