



K.N.Toosi University of Technology

Mechanical Engineering Faculty

Fall 2015

Course: Welding Science and Technology (graduate course)

Class schedule: Saturday and Monday 9-10:15 AM

Prerequisites: -

Contact information:

Lecturer: Dr. Soheil Nakhodchi

Phone: (021) 84063282

Email: snakhodchi@kntu.ac.ir

Office hours: Saturday, Monday and Wednesday 10:30- 12 AM

Course Outline:

1. Introduction to welding technology
2. Review of some welding techniques
3. Welding science
4. Thermal and metallurgical consideration in welding
5. Analytical and mathematical analysis
6. Welding procedure and process planning
7. Weld quality
8. Testing and inspection of welds

Textbook:

- 1- "Welding Science and Technology", Ibrahim Khan, 2007
- 2- "Welding_Metallurgy" 2nd edition, Sindo Kou, 2009

Course Evaluation:

Midterm: 10%

Projects: 60%

Individual Project: 40%

Group project: 20%

Final Exam: 30%