Dear Students,

Homework of the MSE 3922 Metallography must be prepared using following template and rules.

1. All HMW reports must be prepared as Max. 5 pages and submitted only as PDF file.
2. Homeworks will be in English using the following template in next page.
3. However, each student must submit the HMW individualy.

Each homework have to check by Turnitin and similarity have to less than 20%.

You will need the following information for Turnitin check.

**Website**: <https://www.turnitin.com/>

**Class:** MSE3922 (MSE3922)

**Class number:** 33829767

**Registeration key:** 214312

*Plagiarism is presenting someone else’s work or ideas as your own, with or without their consent, by incorporating it into your work without full acknowledgement.*

1. This is a group homework. However, each student must submit the HMW report and the Turnitin Report showing detailed similarity information.
2. Each group must submit a hardcopy of the HMW report and the Turnitin Report showing detailed similarity information
3. Deadline: 25 April 2022.
4. Submission: www.online.yildiz.edu.tr

EVALUATION CRITERIA

1. Relevance to HMW topic, Depth and richness of the HMW content: % 70
2. Conformity of the template format: %10
3. Ethics (Turnitin Check of less than 20%): 10%
4. Citation and Reference usage: % 10

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| **MSE 3922 METALLOGRAPHY HOMEWORK REPORT** | | |
| **STUDENT NUMBER** | | **STUDENT NAME-SURNAME** |
| Calibri, 10 pt, not bold, aligned to left | | Calibri, 10 pt, not bold, aligned to left |
| **TITLE** | **Metallographic Report of ‘your material’ Calibri, 10 pt, bold, Align center** | |
| **Introduction for the material** | Give information about your materials (importance in industry, properties etc.) Use figures and tables with references.  Calibri, 10 pt, not bold, aligned both side, black color. Spacing is 1.15 between lines.  Citation Rules   1. Harvard style citation must be applied in this report. 2. In the text   (Surname, Year) (Yilmazer, 2022) | |
| **Experimental Procedures**  **sample fabrication and processing** | Give information about fabrication (process, process parameters (temperature, time, environment, etc.), chemical compositions, plastic deformation (type, temperature, environment, reduction ratio etc.) and heat treatment parameters (temperature, time and environment etc. ) for your samples used in this with references  Calibri, 10 pt, not bold, aligned both side, black color  Citation Rules   1. Harvard style citation must be applied in this report. 2. In the text   (Surname, Year) | |
| **Experimental Procedures** | **Metallographic Sample Preparation** | |
| Give detailed information of **Metallographic Sample Preparation steps (Sectioning, Mounting, Grinding-Polishing, and Etching)**  Calibri, 10 pt, not bold, aligned both side, black color  Citation Rules   1. Harvard style citation must be applied in this report. 2. In the text   (Surname, Year) | |
| **Etching solution information** | |
| Give the composition, preparation and application procedures of the etching solutions. | |
| **Microstructure** | Calibri, 10 pt, not bold, aligned both side, black color   1. Phase(s) information; 2. Morphology, average size, distribution information of grain and secondary phase(s)   Etc.  Citation Rules   1. Harvard style citation must be applied in this report. 2. In the text   (Surname, Year) | |
| **References** | List your references used in the text alphabetically as following Harvard style rules  Calibri, 10 pt, not bold, aligned both side, black color  Reference writing styles  Article  Surname 1, N., Surname 2, N., Surname 3, N. (Year), Title of reference. Full Name of Journal, Volume no( Issue No), Page numbers., HYPERLINK.  Conference Proceeding  Surname 1, N., Surname 2, N., Surname 3, N. (Year), Title of Paper, Full Name of Conference, Volume no, (Page numbers), City Name, Country Name . HYPERLINK  Book  Surname 1, N., Surname 2, N., Surname 3, N. (Year), Title of Section, Full Name of Book, Volume no, (Page numbers), Publisher name. HYPERLINK  List alphabetically with surname . Check it below. | |