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| **MSE3922 METALLOGRAPHY HOMEWORK REPORT** | |
| **GROUP NO** | **STUDENT NAME-SURNAME** |
|  | Calibri, 10 pt, not bold, aligned to left  Put all information (ID and Names) of the students involved in this homework. |
| **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. |
| **RESUTLS AND DISCUSSION**  **Microstructure** | Case 1.  Case 2.  Case 3.  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. |