

**MATE 404**  
**Spring 2020**  
**Term Project Topics**

- 1. Failure Mechanisms of Jet Engine Turbine Blades**
- 2. Metallic Dental Implant Systems**
- 3. High Entropy Alloys**
- 4. Steels for Natural Gas and Petroleum Pipelines**
- 5. Metallic Materials for Hypersonic Systems**
- 6. Non-Destructive Testing and Inspection of Welds**
- 7. The Role of Rivets in the Sinking of RMS Titanic**
- 8. Boron in Cast Iron**
- 9. Galvanising and Galvanising Industry in Turkey**
- 10. Metallic Materials used in Wind Turbines**
- 11. Niobium in Steels**

## **MATE 404 Term Projects**

- **Projects will be assigned on a "first come, first served" basis.**
- **You will be working in teams of 2.**
- ***You can come up with your own project topic as long as it is within the scope of this course and has my approval!***
- **Please email me the Project # you want to study.**
- **The last day to send an email for this is **Thursday, February 27<sup>th</sup>**, 2020. If I do not hear anything from you by this date, then I am going to assign you a project.**

## **Evaluation of the Presentations**

- **Organization + Illustrations + Grammar**
- **Content (Clarity & Quality)**
- **Delivery Tone/Style + Time Management ( $\approx 15$  min.)**
- **Subject Knowledge + Handling of Questions**