Aerospace Engineering
Level and Major:

Course Title: Multiphase Flows **Number of Credits: 3**

Course Topics:

- Introduction
- General Categorization of Multiphase Flows
- Interfacial Multiphase Flows and Their Important Applications
- Particulate Multiphase Flows and Their Important Applications
- Mathematical and Numerical Modeling of Multiphase Flows
    - Interfacial Multiphase Flows
    - Particulate Multiphase Flows
- Summary and Conclusion

Reading Resources:

- Brennen, Christopher E. “Fundamental of Multiphase Flow”. Cambridge University Press, 2005.
- Yadigaroglu, G. Hewitt, Geoffrey F. “Introduction to Multiphase Flow”. Springer, 2018.
- Clift, R. Grace, J. R. Weber, M. E. “Bubbles, Drops, and Particles (Dover Civil and Mechanical Engineering)”. Weber Academic Press, 1978.
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