Define **NLP application scenarios** according to their industrial, analytic, and business functions

Identify appropriate solutions based on **NLP case studies**

Recognize how industry developers format **NLP code**

Applicable to **Systems Engineering Certificate**

Applicable to **Machine Learning Certificate**

**COEN Majors**, course counts as a depth-only elective in **Intelligent Systems**

**ELEN Majors**, course counts as a depth-only elective in **Computer HW/SW**

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**Student Feedback**

- Very flexible course!
- Can learn how to apply NLP and LM for industry use!
- Walkthrough, and explanation for all coding!

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**Instructor:**

Dr. Priya Deshpande, EECE, Marquette University.

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**COURSE FORMAT**

- **Asynchronous Online Course Material**
- **Active Discussion (Olin 522 and Q&A Forums in D2L Led by Instructor)**
- **Hands-on Coding Lab and Projects with Real Industry Data**

**PROJECT EXAMPLES**

- **Predictive Analysis**
  - Breast Cancer Detection and Prediction
  - Twitter Analysis
  - Sentimental analysis of twitter posts
  - Clinical Reports Analysis
  - Data cleaning and quality analysis

Or Propose Your Own Topic