Course Syllabus for ECE662 and CS662:
"Pattern Recognition and Decision Making Processes "
Spring 2012

Class Time: Tu,Th 10:30-11:45
Class Location: PHYS 223
Instructor: Prof. Mireille (Mimi) Boutin
    Office: MSEE342
    Email: mboutin at purdue dot you know what
Course wiki: https://www.projectrhea.org/rhea/index.php/2012_Spring_ECE_662_Boutin

References

Textbook (on reserve at engineering library)

- Introduction to Pattern Recognition, by Keinosuke Fukunaga.

Other Recommended References (on reserve at engineering library)

- Pattern Classification, by Duda, Hart and Stork.

- Pattern Recognition: A Statistical Approach, by P.A. Devijver and J.V. Kittler.

Course grade

- 60% homework

- 40% homework peer review

Material Covered

- Bayes classification,

- Parametric and non-parametric classifier design,

- learning algorithms,

- clustering,

- feature extraction,

- estimation of classifiability,

- classifier evaluation.