

## Lecture 19

### Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 1071 – 1076 in the textbook (Serway 9<sup>th</sup> edition) and do the following:
  - 1) Quick Quiz: 35.4 – 35.5
  - 2) Book Objective Questions (p. 1077): 3, 9, 12, and 14

### Goals for the Lecture:

- 1) Understand Huygens's Principle
- 2) Understand dispersion
- 3) Understand total internal reflection and how to determine the critical angle

### Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 35: Problems: 39 and 45

Continue with the additional recommended study problems from chapter 35