Students should be able to:

1. Describe the role, function, and importance of visual salience in visual queries.

2. Describe the gross neural architecture of the primary visual cortex relative to the other “seeing components” of the human brain.

3. Explain the function of the primary visual cortex in visual queries.

4. Differentiate between, and then explain anatomically and functionally, the “where” and “what” processing systems of the brain.

5. Explain the: a) concept, b) process and c) function for each of the following:
   a. Pre-attentive processes
   b. Tuning
   c. Pop-out
   d. Visual conjunctive search
   e. Feature channels

6. Describe the relation between motion, the orienting response, and habituation.

7. Describe the role of the “detection field” in strategic scanning.

8. Describe what is important about the “lateral interparietal” area.