

Speech Science / COMD 6305

Exam 4 Topics for Review

The exam will cover material presented in the textbook and in discussed in lecture. This list is intended to assist you in organizing your study material. Each chapter has two sections: the first outlines the major concepts we've covered thus far, and the second is a list of vocabulary taken from the text.

Chapter 12 Models and theories of speech production and perception

Concepts

Models vs Theories

Major issues

- Regulating serial order

- Degrees of freedom

- Context sensitivity

Speech Production Theories

- Target

- Feedback vs. Feedforward

- Dynamic systems

 - Gesture theory

 - Connectionist theory

 - Parallel Distributed Processing models (PDP)

Speech Perception theories

- Bottom-up vs. Top-down

- Active vs. Passive

- Autonomous vs. Interactive

- Motor theory

Categorical perception

Terminology

Connectionism

Direct realism

Motor theory

Rate normalization

The DIVA Model

Swinney's (1979) experiment (Cross-model priming)

Duplex perception

Mirror neurons

McGurk Effect

Voice onset time (VOT)