Midterm:

Tuesday, March 17th, Votey 209 (in class), 8:30-9:45am.

Closed book.

Material covered will only come from the lectures and slides. The assigned reading will help you understand the lecture material, but there will be no questions that draw on material that only appeared in the reading but not in the lecture slides. Anything that was written on the board during lecture will not show up on the midterm.

Lectures covered: Lectures 1 through 14 (inclusive)

Questions will have three forms:

Short answer, analysis and synthesis.
Short answer example:

“Name the four major software components required to conduct an evolutionary robotics experiment.”

Analysis example:

“Consider a robot in environment x, with sensors y, and fitness function f.
What kind of behaviors do you think evolution will find?”

Synthesis example:

“You are approached by a robotics company that would like you to design a robot that does x. Explain what the robot would look like, what sensors and motors would it have, and what fitness function would you create to find the desired behavior?”