course information

- **instructor:**
  Prof Elizabeth Sklar
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  email: sklar@sci.brooklyn.cuny.edu
  office: 1417 Ingersoll
  phone: 718 951 5000 x1502
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- **course web page:**
  [http://www.sci.brooklyn.cuny.edu/~sklar/ai/](http://www.sci.brooklyn.cuny.edu/~sklar/ai/)

- **lectures:**
  Mondays and Wednesdays, 12.15pm-1.30pm, in room 214 NE

- **computer access:**
  It will be helpful if you have access to a computer and the internet for this class. If you have a laptop, it will be helpful during labs (though it is not required and we can lend you a laptop for the lab).

- **related reading (but you don’t have to buy the books):**
  **Artificial Intelligence: A Modern Approach** (2nd edition)

  **Artificial Intelligence: A New Synthesis**

  **An Introduction to Multiagent Systems**

- **prerequisites:**
  Computer and Information Science (CIS) 22.

- **assessment:**
  
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<tr>
<th>Points</th>
<th>Description</th>
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<tbody>
<tr>
<td>30</td>
<td>6 homework assignments (5 pts each)</td>
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<tr>
<td>30</td>
<td>2 projects (15 points each)</td>
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<tr>
<td>40</td>
<td>2 exams (20 pts each)</td>
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topics

- Introduction to Artificial Intelligence, Autonomous Agents
- Problem solving, Search, Heuristic methods
- Introduction to Robotics
- Expert Systems, Intelligent Tutoring Systems
- Neural Networks, Evolutionary Computation, Artificial Life
- State space Learning, Game Playing, Knowledge Representation, Uncertainty
- Propositional Logic, Predicate Logic, Logic-based Agents
- Planning, Partial-order planning, Decision-theoretic planning