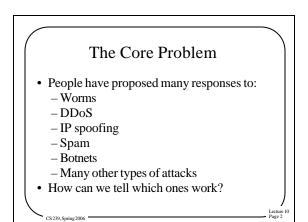
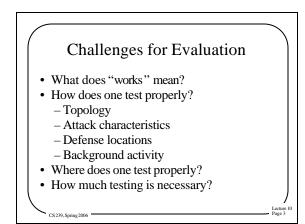
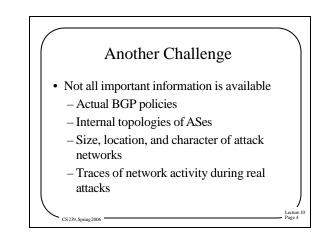
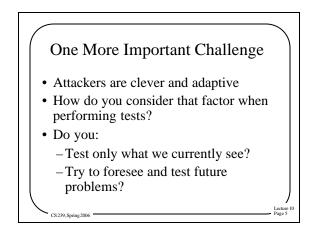
Evaluating Network Defenses CS 239 Advanced Topics in Network Security Peter Reiher May 10, 2006

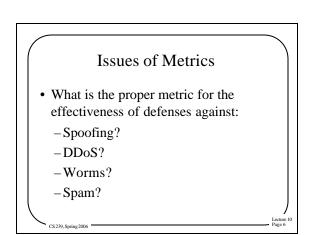
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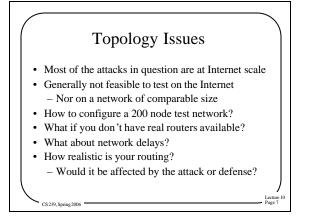


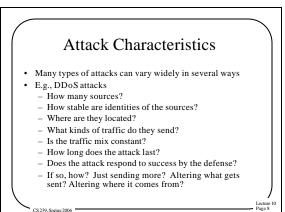


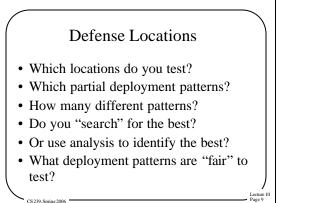


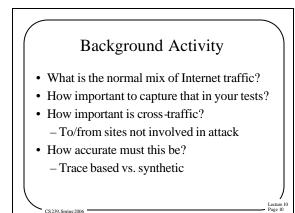












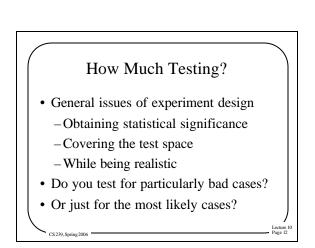
## Where Does One Test?

- In one's own lab?
- On the Internet?

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- On an existing testbed?
  - -Emulab, Planetlab, ...?
- On a specialized security testbed?

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## The DETER Testbed

- A partial response to these challenges
- A special testbed for security research
- With dedicated machines
  - -Several hundred

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• And special configuration capabilities

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• Usable by all legitimate researchers

## But DETER Doesn't Solve Everything

• DETER is just a testbed

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- It doesn't specify how to test
- Or provide tools to help design tests
- The EMIST project is intended to handle that
- Developing traffic generators, benchmarks, topology generators, etc.

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