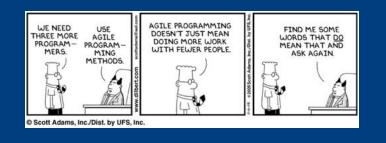
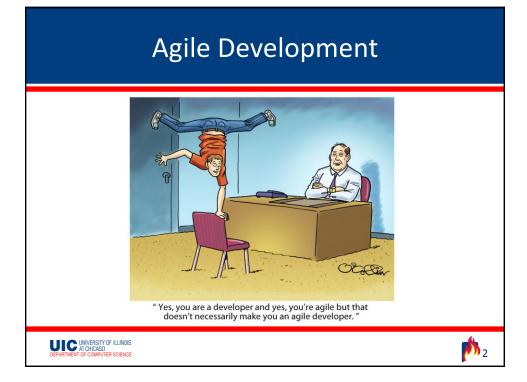
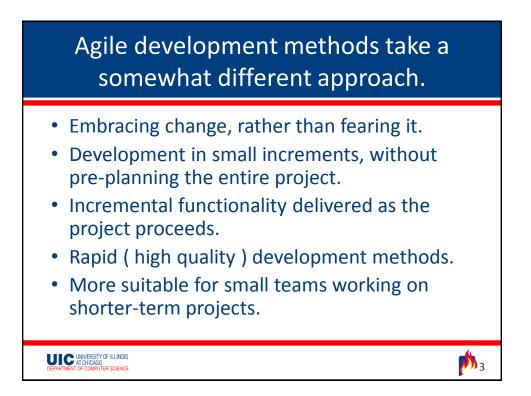
Agile Methodologies - Scrum

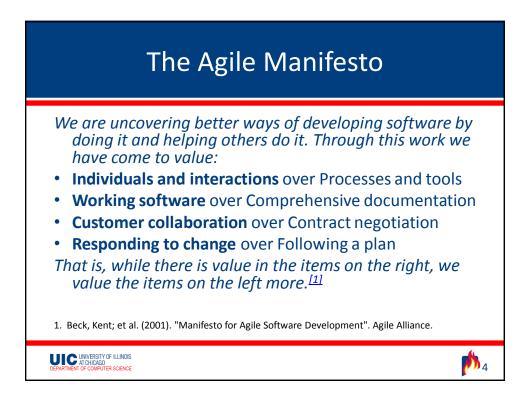


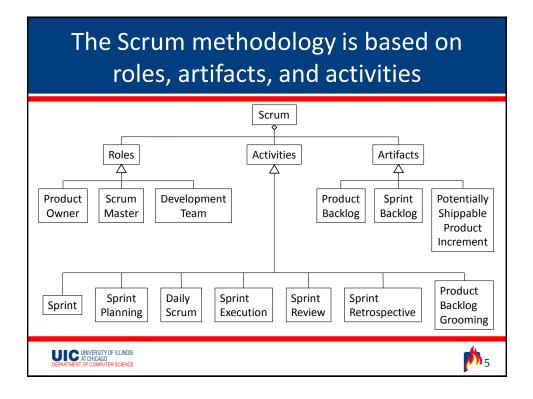
John T. Bell Department of Computer Science University of Illinois, Chicago

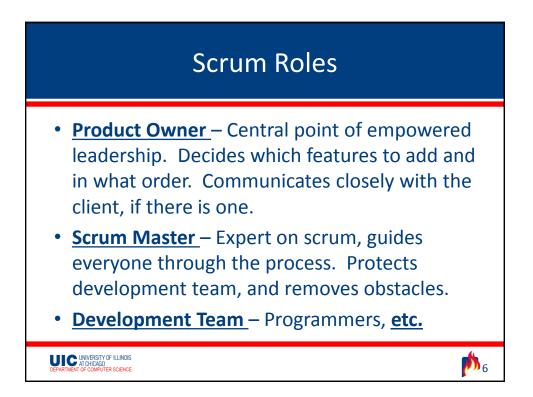
based on material from chapter 2 of "Essential Scrum" by Kenneth S. Rubin, and other sources.











Scrum Artifacts

- <u>Product Backlog</u> Collection of <u>stories</u> to be implemented as features, eventually. Wish list.
- <u>Sprint Backlog</u> Subset of stories, to be implemented during the current sprint, along with a list of <u>tasks</u> for each story.
- <u>Potentially Shippable Product Increment</u> The results of a sprint, <u>IF</u> it is of sufficiently high quality and the story is sufficiently complete.

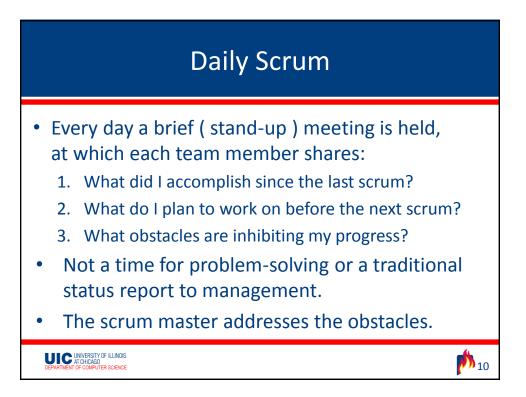
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Sprint Planning

- The product owner, scrum master, and dev. team agree on sprint goals that can be reasonably achieved at a sustainable pace.
- Features are added to the sprint backlog from the product backlog, and broken down into tasks.
- The development team estimates the effort required for each task, often in terms of "ideal hours". Sprint goals are adjusted if necessary.

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- Once the sprint goals are agreed upon, the development team self-organizes to get the tasks accomplished.
- Generally the team members will "take" tasks from the list, rather than having them assigned.
- Progress is recorded on "burn-down" charts as tasks are completed or efforts re-estimated.

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Sprint Retrospective

- After the sprint review, and before the next sprint planning, the product owner and scrum master review the sprint process to evaluate how things are going, and to make any necessary adjustments.
- Then the whole process repeats, starting with the planning of the next sprint.

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