Design Studio

A Product Design Course for Graduate Entrepreneurs

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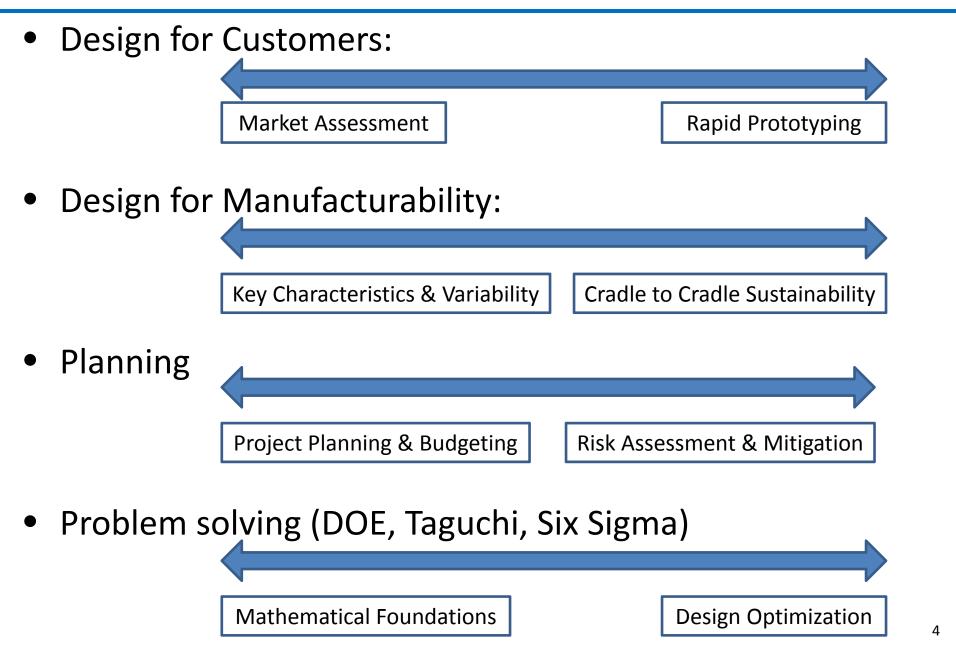
Knowledge Workers

- New Graduate is a Subject Matter Expert (SME)
 - Knows how to do things right
- Industry needs Knowledge Workers*
 - Knows the right things to do

Knowledge Workers

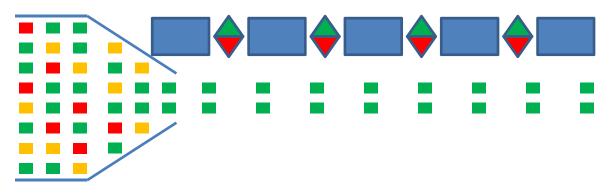
- New Graduate is a Subject Matter Expert (SME)
 - Knows how to do things right
- Industry needs Knowledge Workers*
 - Knows the right things to do
- A Knowledge Worker has external focus:
 - Innovates to Delight the Customer
 - Works effectively with teams
 - Risk management
 - Continuous improvement
 - Gated design process

Self Contained or Gateway to...



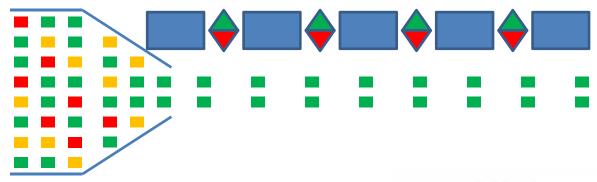
Current Status

Some corporations have well managed Processes



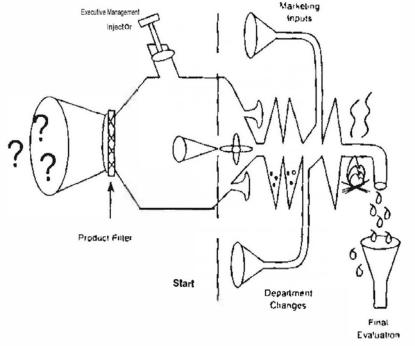
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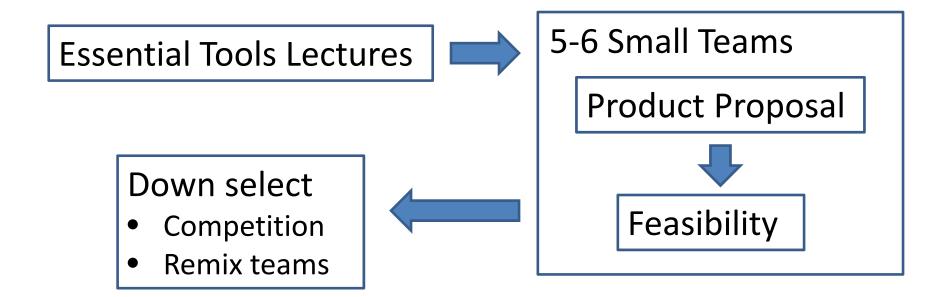
Others, not so much...

 Cornell grads will encounter both!

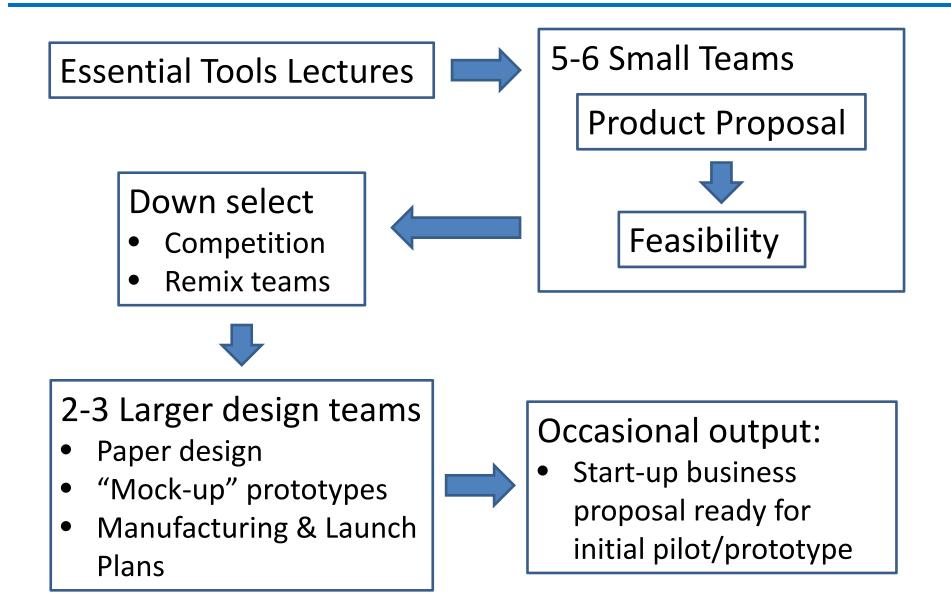


Clark & Wheelwright, 1993, "Managing New Product and Process Development", The Free Press

Goal: Upgrade SME to Knowledge Worker



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Essential Tools Lectures

- Corporate structure
- Roles & responsibilities
- Presentation skills
- IP & Patent interpretation
- Gated development
- Planning & Risk Management

Lectures During Proposal Writing

- Business strategy examples
 - Start-up vs Large Cap
 - Consumer vs B2B
- Requirements (House of Quality)
- Return on investment estimation

Lectures During Feasibility Investigation

- Technology availability
- Project plan
- Launch window
- Risk assessment & mitigation
 - Technical
 - Market
 - Schedule

Design Lectures

- Prototype design
- Sustainable design
- Design for manufacturability
- User experience testing
- Planning for manufacturing & launch
- Statistics and Design of Experiments

Thank You!