



**Course Schedule: Introduction to Engineering: Imagine. Design. Engineer!
Spring C 2018**

Items are listed in UTC. Please calculate equivalents for your time zone. (07:00 UTC is 7am UTC.)

Note:

- *Review pre-course content, "Before the Course Begins" section, starting Monday, January 8, 06:59 UTC.*
- *Complete your Course Readiness Quiz to gain access to week 1 and to future weeks of the course as they are released.*
- *Once the deadline passes, you can no longer submit graded assignments.*

| Course Element | Date |
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| Before the Course Begins | Opens Monday, January 8, 06:59 UTC |
| Week 1: What is Engineering? | Opens Monday, January 8, 06:59 UTC |
| 1. ePortfolio Account Creation (ungraded) | Due Monday, January 22, 06:59 UTC |
| 2. Content Mastery | Due Monday, January 22, 06:59 UTC |
| Week 2: Problem-finding and Definition | Opens Monday, January 15, 06:59 UTC |
| <i>Deadline to ID Verify for the Course</i> | <i>Friday, January 19, 06:59 UTC</i> |
| 1. DeVILS Project: Problem Definition 2. ePortfolio: About Me | Opens Saturday, January 20, 06:59 UTC Due Monday, January 29, 06:59 UTC |

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| 3. Content Mastery | Due Monday, January 22, 06:59 UTC |
| Week 3: Developing a Successful Design Solution | Opens Monday, January 22, 06:59 UTC |
| 1. ePortfolio Skills Reflection: Decision Making Skills 2. Content Mastery | Due Monday, January 29, 06:59 UTC |
| Week 4: Autodesk Fusion 360 Tutorial | Opens Monday, January 29 06:59 UTC |
| 1. ePortfolio Skills Reflection: Creating CAD Models 2. Content Mastery | Due Monday, February 5, 06:59 UTC |
| Week 5: Technical Communication | Opens Monday, February 5, 06:59 UTC |
| 1. DeVILS Proposal Presentation 2. ePortfolio Project Reflection: DeVILS Proposal Presentation 3. Content Mastery | Due Monday, February 12, 06:59 UTC |
| Week 6: Disaster Relief Project Introduction | Opens Monday, February 12, 06:59 UTC |
| 1. Peer Assessment: Problem Definition 2. Self Assessment: Problem Definition 3. ePortfolio Skills Reflection: Project Management | <ul style="list-style-type: none"> ● Submit for peer assessment by Friday, February 16, 06:59 UTC ● Peer assessment due Monday, February 19, 06:59 UTC Due Monday, February 19, 06:59 UTC Due Monday, February 19, 06:59 UTC |

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| 4. Content Mastery | Due Monday, February 19, 06:59 UTC |
| Week 7: Modeling | Opens Monday, February 19, 06:59 UTC |
| 1. Peer Assessment: Wing Shape | <ul style="list-style-type: none"> ● Submit for peer assessment by Friday, February 23, 06:59 UTC ● Peer assessment due Monday, February 26, 06:59 UTC |
| 2. Self Assessment: Wing Shape | Due Monday, February 26, 06:59 UTC |
| 3. Content Mastery | Due Monday, February 26, 06:59 UTC |
| Week 8: Designing for a Purpose | Opens Monday, February 26, 06:59 UTC |
| 1. Peer Assessment: Aircraft Purpose & Interior Design | <ul style="list-style-type: none"> ● Submit for peer assessment by Friday, March 2, 06:59 UTC ● Peer assessment due Monday, March 5, 06:59 UTC |
| 2. Self Assessment: Aircraft Purpose & Interior Design | Due Monday, March 5, 06:59 UTC |
| 3. Content Mastery | Due Monday, March 5, 06:59 UTC |
| Week 9: The Design of Wings: An Overview of Structural Analysis | Opens Monday, March 5, 06:59 UTC |
| 1. Peer Assessment: Wing Structure | <ul style="list-style-type: none"> ● Submit for peer assessment by Friday, March 9, 06:59 UTC ● Peer assessment due Monday, March 12, |

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| <p>2. Self Assessment: Wing Structure</p> <p>3. Content Mastery</p> | <p>06:59 UTC</p> <p>Due Monday, March 12 ,06:59 UTC</p> <p>Due Monday, March 12, 06:59 UTC</p> |
| <p>Week 10: UML Descriptive Modeling</p> | <p>Opens Monday, March 12, 06:59 UTC</p> |
| <p>1. Peer Assessment: UML Automation Models</p> <p>2. Self Assessment: UML Automation Models</p> <p>3. ePortfolio Skills Reflection: UML Modeling</p> <p>4. Content Mastery</p> | <ul style="list-style-type: none"> • Submit for peer assessment by Friday, March 16, 06:59 UTC • Peer assessment due Monday, March 19, 06:59 UTC <p>Due Monday, March 19, 06:59 UTC</p> <p>Due Monday, March 19, 06:59 UTC</p> <p>Due Monday, March 19, 06:59 UTC</p> |
| <p>Week 11: Arduino Programming</p> | <p>Opens Monday, March 19, 06:59 UTC</p> |
| <p>1. Peer Assessment: Automation Code</p> <p>2. Self Assessment: Automation Code</p> <p>3. ePortfolio Skills Reflection: Automation Code</p> <p>4. Content Mastery</p> | <ul style="list-style-type: none"> • Submit for peer assessment by Friday, March 23, 06:59 UTC • Peer assessment due Monday, March 26, 06:59 UTC <p>Due Monday, March 26, 06:59 UTC</p> <p>Due Monday, March 26, 06:59 UTC</p> <p>Due Monday, March 26, 06:59 UTC</p> |
| <p>Week 12: Finalizing Your Design</p> | <p>Opens Monday, March 26, 06:59 UTC</p> |

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| 1. Peer Assessment: Final Design Description & Drawing | <ul style="list-style-type: none"> • Submit for peer assessment by Friday, March 30, 06:59 UTC • Peer assessment due Monday, April 2, 06:59 UTC |
| 2. Self Assessment: Final Design Description & Drawing | Due Monday, April 2, 06:59 UTC |
| 3. Content Mastery | Due Monday, April 2, 06:59 UTC |
| Week 13: Acceptance Testing | Opens Monday, April 2, 06:59 UTC |
| 1. ePortfolio Skills Reflection: FAT Procedures | Due Monday, April 9, 06:59 UTC |
| 2. Content Mastery | Due Monday, April 9, 06:59 UTC |
| Week 14: Financial Analysis | Opens Monday, April 9, 06:59 UTC |
| 1. Content Mastery | Due Monday, April 16, 06:59 UTC |
| Week 15: Wrap-up: The Future of Engineering | Opens Monday, April 16, 06:59 UTC |
| 1. Disaster Relief Project Final Report | Due Monday, April 23, 06:59 UTC |
| 2. ePortfolio Project Reflection: Disaster Relief | Due Monday, April 23, 06:59 UTC |
| 3. ePortfolio: Final Reflection | Due Monday, April 23, 06:59 UTC |
| <i>Final Exam (weeks 1 -14 inclusive)</i> | <i>Opens Monday, April 23, 06:59 UTC</i> <i>Due Monday, April 30, 06:59 UTC</i> |

****ID Verified students can expect to receive their edX certificates by May 11, 2018.***