Create Your Own Online Courses

PTC® University Customizable eLearning Libraries enable you to combine efficiency with state-of-the-art teaching

Instructors teaching product development face challenges that often stem from one main issue: limited class time. Ensuring that there is enough time to adequately teach engineering students becomes difficult as contact time with these students becomes increasingly reduced. Instructors are faced with doing more with less time, along with the pressures of:

**Curriculum Relevance**
- Ensuring the curriculum fits the industry’s needs and is relevant to local employers
- Creating and updating curriculum content with each new software upgrade

**State-of-the-Art Teaching Methods**
- Creating comprehensive, online, distance learning programs to serve the increasing number of distant learners
- Being able to respond to new learning trends, such as flipped classrooms

**Student Support**
- Supporting students inside and outside of class
- Being able to grade your students’ assessments quickly and accurately

While hiring teaching assistants, utilizing expensive textbooks, and managing your course work on an online tool may solve some of the objectives above, there is a solution that can solve them; all while being customized to your needs.

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**eLearning – a learning and time management solution**

PTC University eLearning provides 6,000+ hours of online content for PTC’s products. You can pick-and-choose the PTC Creo® and PTC Windchill® content that is relevant for you and create an online textbook for your computer-aided design (CAD) courses. These modules automatically update with each software upgrade, saving you from painstakingly updating your curriculum every summer when a new version comes out.

PTC University eLearning provides 6,000+ hours of content to pick-and-choose from and is also made available within PTC Creo using the PTC Learning Connector for instant support for your students.
How often do you receive late-night emails for additional support, or find students lined outside your office, each one asking the same questions? The PTC University eLearning tool allows in-depth support for your students inside and outside of the classroom with searchable libraries of CAD content. PTC Learning Connector can even provide assistance and access to eLearning modules within PTC Creo itself.

While that sounds great, what happens to all of the content and models you’ve already created over the years? What if you need to add additional files, instructions, contact information, or videos to these courses? This is where a customizable option will take you further.

**Putting customizable into practice**

**Institution specific content**

PTC University Customizable eLearning Libraries can now take the existing learning content on PTC products, and insert or edit that content. For example, you may have additional content that describes college or university specific drawing standards, or methods for printing large format drawings in your department. Now you can include that module in your course with your own text and images and even create an assessment at the end, all within an easy-to-use template structure. You can even add useful information such as your course syllabus, office hours, or contact information without having to go back-and-forth between other learning management tools.

**Modules specific to your course**

You can still utilize the models and course content that you have used over the years by taking advantage of this new customizable option. Say you have a specific workflow for printing 3D models or using CNC equipment within the engineering department. You can now add a downloadable manufacturing file or author a step-by-step procedure on using the equipment into a specific module. You can also create your own separate module just for that task in the PTC University eLearning environment. This ensures that you will be able to easily reuse your information in future courses.

**Easy implementation of flipped classrooms**

With ‘flipped classrooms’ being a reoccurring and influential buzzword in academia, PTC University eLearning provides an out-of-the-box solution to get up and running with this new form of teaching. Your students can learn at home, utilize the modules you assign, and put them into practice during class where an instructor is present for questions. If you already have the content available to implement a flipped classroom but don’t have the infrastructure to launch, PTC University Customizable eLearning can provide the platform necessary to not only host your existing content, but provide a way to monitor and assess your students through PTC University Precision LMS, a robust learning management system.
Summary:

With PTC University eLearning and the new customizable option, instructors can now:

- Provide engineering curriculum content that is relevant and used in industry
- Spend less time grading CAD assessments and provide comprehensive student support
- Increase distance and online learning programs with existing and customized content
- Preserve your customized curriculum for reuse in future classes
- Have more time to dedicate to research opportunities and new curriculum

To learn more about the new PTC University Customizable eLearning Libraries option, please contact an Academic Advisor today.