



DIGITAL TRANSFORMS PHYSICAL

PTC UNIVERSITY LEARNING OVERVIEW

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ABOUT PTC UNIVERSITY

Our mission is to **accelerate your success** through high-quality training & education.



Tutorials



Virtual Instructor Led
Training (LEARN)



Certifications

OUR LEARNING OPTIONS

Tutorials/Playlist

- Short, **three-minute** microlearning
- **Getting Started playlists** for most products
- **Connected to the product** for training recommendations as you use the product
- Covers **how to do** things, but not necessarily why
- **Just-in-time (JIT) learning** appeals to advanced users who have fundamental product knowledge, but want to understand how to do something quickly

Included for all users in
PTC Software subscription

LEARNING Connector

VILTs

- **3-hour** classes
- **Robust, continuous** schedule
- Currently running **1500 sessions per quarter**
- **New, engaging** content
- **Instructor Led** – learn by having an expert guide
- **In-the-cloud learning environment**, no need to worry about any licensing or training files to setup
- **Repeat** any class
- **Unlimited** - take as many classes as you want

Additional fee to access cloud-
based SaaS live instructors

LEARN

OUR LEARNING PLATFORMS – LEARNINGCONNECTOR

- LearningConnector
 - Redesigned modern interface
 - Works with the product (Creo and Windchill)
 - In-product, context sensitive training recommendations
 - Over 1,850 tutorials on many PTC solutions
 - 1,150+ for CAD
 - 430+ for PLM
 - 85+ for IoT
 - 110 for AR
 - Learning hub for all self-paced or instructor led learning options

The screenshot displays the PTC LearningConnector web interface. At the top, there is a navigation bar with the PTC logo, 'Discover', and 'Search' buttons. Below this is a search bar and a menu with options: 'All Training', 'Tutorials', 'Playlists', 'Half-Day Courses', and 'eLearning Courses'. The main content area is divided into several sections:

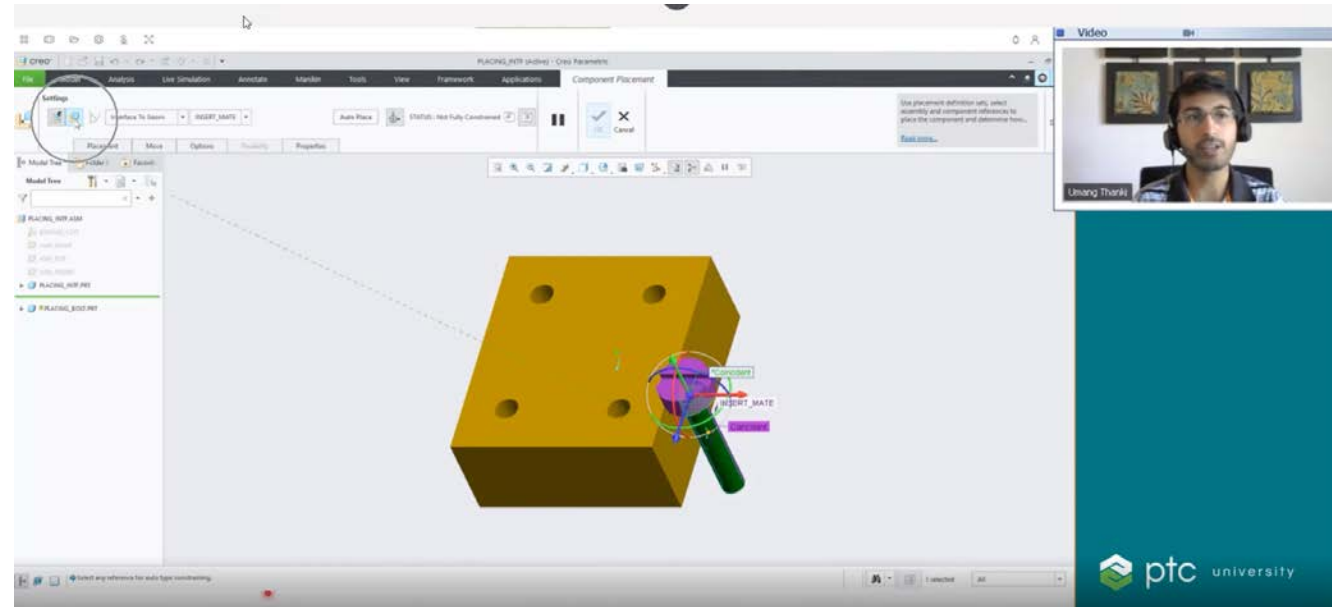
- Filter Your Search:** Includes a 'Clear All Filters' button and a 'Technology' filter with buttons for CAD, AR, PLM, IoT, and Mathcad. Below this is a 'Product' dropdown set to 'Select Product' and a 'Category' dropdown.
- Tutorials:** Shows 'Showing 1152 Results'. A featured tutorial card is visible with the title 'Create Hole Features' and the path 'Creo Elements/Direct > Modeling'.
- Playlists:** Shows 'Showing 18 Results'. A featured playlist card is visible with the title 'Get Started with Creo View'.
- Search Results for 'Use the Hole Tool':** A detailed view of a tutorial titled 'Use the Hole Tool' by PTC University. It includes a 'Summary' section with text: 'In Creo Parametric, you can create different holes using the Hole tool. You can create a hole by selecting one placement reference and two offset references. Many times, designers use sketched cuts or revolved cuts instead of the hole feature. Straight or standard holes do not need sketches and will ultimately save the regeneration time and user's time as well. For the straight holes, you can also create holes with flat or drilled profiles. You can also create holes with customizable profiles by defining the hole shape in sketcher. For the drilled profiles, you can add counterbore and countersink on the hole. Using the Hole tool, you can create linear and radial holes.' Below the summary is a video player showing a 3D model of a part with a hole, with a play button overlay.

Start your learning journey in LearningConnector

OUR LEARNING PLATFORMS - LEARN

LEARN

- 87 and growing LEARN classes
 - 37 for CAD
 - 27 for PLM
 - 23 for IoT
 - Coming Soon for AR
- Scheduled out 12 weeks
- See all the upcoming classes
- Users select which class best fits with their schedule
- User is guided on how to start a class
- Limit classes sizes to 12 - most classes average about 6-8 students
- Complete the Fundamentals classes in less than 2 weeks



<p>Virtual</p> <p>10 Seats Remaining</p>	<p>Bassam Yazigi · PTC</p> <p>Registration Code: CRAN-ASIM-B5Z40E1</p>	<p>LEARN Subscriber? ENROLL TODAY</p>
<p>Jun 13, 2022</p> <p>02:00 AM - 05:00 AM (CDT)</p> <p>Virtual</p> <p>Class Full</p>	<p>Creo: Fundamentals of Assembly</p> <p>3 Hours · 3 Credits · English · English</p> <p>Albert Lalarme · PTC</p> <p>Registration Code: CRFD-ASBY-BV3WZX8</p>	<p>Want to Register? CONTACT US</p> <p>LEARN Subscriber? ENROLL TODAY</p>
<p>Jun 13, 2022</p> <p>02:00 AM - 05:00 AM (CDT)</p> <p>Virtual</p> <p>11 Seats Remaining</p>	<p>Creo: Creating and Modifying 2D Drawing Views</p> <p>3 Hours · 3 Credits · English · English</p> <p>Syed Hussaini · PTC</p> <p>Registration Code: CRDO-CMVI-B5023ER</p>	<p>Want to Register? CONTACT US</p> <p>LEARN Subscriber? ENROLL TODAY</p>
<p>Jun 13, 2022</p> <p>02:00 AM - 05:00 AM (CDT)</p> <p>Virtual</p> <p>1 Seat Remaining</p>	<p>Creo: What's New in Fundamentals</p> <p>3 Hours · 3 Credits · English · English</p> <p>Bahram Pakatchi · PTC</p> <p>Registration Code: CRUP-FUND-B7Y9J3R</p>	<p>Want to Register? CONTACT US</p> <p>LEARN Subscriber? ENROLL TODAY</p>

CREO LEARNING CATALOG

37+
LEARN Sessions
And growing

830+
Tutorials
And growing

2
Certification Exams


7
Specialization Exams
And growing

13
Playlist
And growing

In this course you will learn how to create a part using basic sketch, editing, and feature creation.

<p>Topics</p> <ul style="list-style-type: none"> • Modeling Parts Framework • Edit Feature Basics • Solid Model Concepts • Create Features: Extrude, Revolve, and Rib • Create Sketches: Circle, Rectangle, Line, and Centerline • Create an Initial Part 	<p>Prerequisites and Class Materials</p> <ul style="list-style-type: none"> • Creo Fundamentals Overview
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Creo Training Catalog





LEARN

LEARN Online half-day classes are 3-hour virtual instructor-led sessions that are scheduled on our public calendar. You can purchase courses individually or as part of a Learn Online Subscription.

To access the registration page for a course, click the course title. To view a course abstract, click on the ⓘ icon next to each title.

FUNDAMENTALS		
👤	Creo: Fundamentals Overview	ⓘ
👤	Creo: Fundamentals of Modeling 1	ⓘ
👤	Creo: Fundamentals of Modeling 2	ⓘ
👤	Creo: Fundamentals of Assembly	ⓘ
👤	Creo: Fundamentals of 2D Drawing	ⓘ
👤	Creo: Fundamentals of Analysis	ⓘ
CERTIFICATION EXAM		
🏆	Creo Fundamentals Certification Exam	ⓘ
🏆	Creo Professional Certification Exam	ⓘ
MODELING		
👤	Creo: Modeling Productivity Tools	ⓘ
👤	Creo: Sketching Productivity Tools	ⓘ
👤	Creo: Advanced Modeling 1	ⓘ
👤	Creo: Advanced Modeling 2	ⓘ
👤	Creo: Multibody Design	ⓘ
👤	Creo Modeling Specialization Exam	ⓘ





👤 Instructor-Led

🏆 Certification Exam

👤 Specialization Exam

[Link to Full Creo LEARN Catalog](#)

WINDCHILL LEARNING CATALOG

27+

LEARN Sessions
And growing

284+

Tutorials
And growing

2

Certification Exams

5

Specialization Exams
And growing

7

Playlist
And growing

In this course you will learn how to create a part using basic sketch, editing, and feature creation.

<p>Topics</p> <ul style="list-style-type: none"> • Modeling Parts Framework • Edit Feature Basics • Solid Model Concepts • Create Features: Extrude, Revolve, and Rib • Create Sketches: Circle, Rectangle, Line, and Centerline • Create an Initial Part 	<p>Prerequisites and Class Materials</p> <ul style="list-style-type: none"> • Creo Fundamentals Overview
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Windchill Training Catalog



LEARN

LEARN Online half-day classes are 3-hour virtual instructor-led sessions that are scheduled on our public calendar. You can purchase courses individually or as part of a Learn Online Subscription.

To access the registration page for a course, click the course title. To view a course abstract, click on the ⓘ icon next to each title.

FUNDAMENTALS		
👤	Windchill: Fundamentals Overview	ⓘ
👤	Windchill: Fundamentals of Creating and Managing Work	ⓘ
👤	Windchill: Fundamentals of Change Management	ⓘ
👤	Windchill: Fundamentals of Engineering Bill of Materials (eBOM)	ⓘ
CERTIFICATION EXAM		
🏆	Windchill Fundamentals Certification Exam	ⓘ
🏆	Windchill Professional Certification Exam	ⓘ
BUSINESS ADMINISTRATION		
👤	Windchill: Introduction and Participant Administration	ⓘ
👤	Windchill: Object and Context Administration	ⓘ
👤	Windchill: Advanced Object Behavior	ⓘ
👤	Windchill: Process Mapping and Promotion Request	ⓘ
👤	Windchill: Teams and Access	ⓘ
👤	Windchill: Access Control and Change Implementation	ⓘ
👤	Windchill Business Administration Specialization Exam	ⓘ
BOM MANAGEMENT		
👤	Windchill: Preparing eBOM to mBOM Transformation	ⓘ
👤	Windchill: BOM Restructuring	ⓘ
👤	Windchill: Advanced BOM Management with Connected CAD Structures	ⓘ
👤	Windchill BOM Management Specialization Exam	ⓘ



[Link to Full Windchill LEARN Catalog](#)

UPDATE TRAINING CREO AND WINDCHILL

■ LearningConnector

- What's New filter (coming soon for Windchill)
- Select by Version & Category

The screenshot shows the PTC LearningConnector interface. At the top, there is a search bar and navigation tabs for 'All Training', 'Tutorials', 'Playlists', 'Half-Day Courses', and 'eLearning Courses'. Below the search bar, there are filters for 'Technology' (CAD, AR, PLM, IoT, Mathcad, SLM) and 'Product' (Creo Parametric). A 'What's New' filter is visible, and a 'Select Version' dropdown menu is open, showing options for versions 9, 8, 7, 6, 5, and 4. Below the filters, there are two tutorial cards: 'Control Model Tree Appearance' and 'Modernized and Improved Charting Tool', both with 'VIEW' buttons.

■ LEARN

- Multiple LEARN classes in each product
- Each class covers multiple releases (example Creo Update classes cover from version 4 to version 8)

UPDATES

	Creo: What's New in Fundamentals	
	Creo: What's New in Modeling, Assembly, and Documentation	
	Creo: What's New in Surfacing, Sheetmetal, and Cabling	
	Creo: What's New in Analysis and Other Modules	

UPDATES

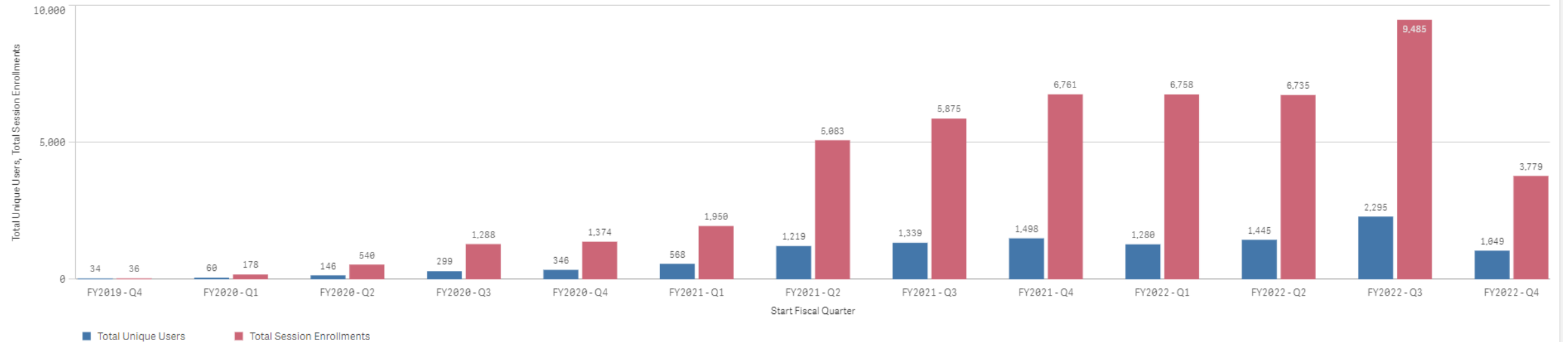
	Windchill: What's New in Administration and Visualization	
	Windchill: What's New in PLM Processes	



LEARN SUCCESS

TOTAL ENROLLMENTS – BY PRODUCT

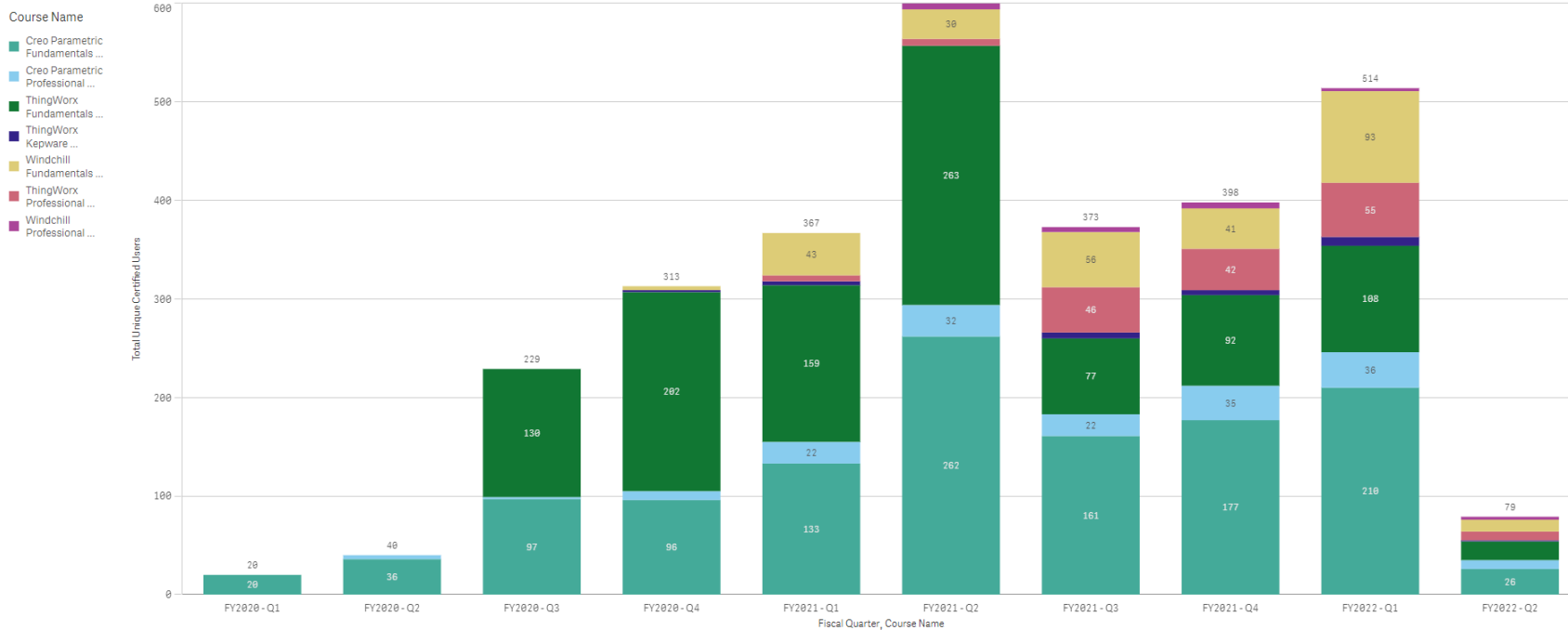
Quarterly vILT Usage



- Over 41K enrollments since Q1 2020
- FY22-Q1 ran over 1550+ sessions (averaging 30 sessions per day)
- Delivered 3X number of sessions from FY21-Q1
- FY22 Q2 & Q3 still being planned out and demand still TBD

CERTIFICATIONS BY QUARTER AND PRODUCT

Quarterly Number of Certified Users per Certification Course



- 2900+ Total Certification granted (all time)
- 514 certifications granted in Q1
- Number of certified users grew 3x in FY21
- 1200+ Creo Fundamentals certification granted all time
- 1000+ ThingWorx Fundamentals certification granted all time
- 275+ Windchill Fundamentals certification granted all time

LEARN PERFORMANCE EXAMPLE

- Site 1
 - 2nd largest user of LEARN globally
 - 149 users
 - 1,548 classes completed
- Site 2
 - 56 users
 - 504 classes completed
- Site 3
 - 73 users
 - 322 classes completed



Value received is \$2,400 per user



UPDATE TRAINING OPTIONS

UPDATE TRAINING



- Self-Paced Learning - LearningConnector
 - For learners that want to go self-paced and just quickly see what changed in each version in specific functions of Creo
- Instructor Led Learning - LEARN
 - For learners that want to have hands-on experience with the software and an instructor

LEARNING CONNECTOR

- See “What’s New” with each version and specific product area

The screenshot shows the PTC University Learning Connector interface. At the top, there is a navigation bar with the PTC logo, 'Discover', and a search bar. Below this is a search bar with a magnifying glass icon. The main navigation area includes links for 'All Training', 'Tutorials', 'Playlists', 'Half-Day Courses', and 'eLearning Courses'. The 'Tutorials' link is highlighted.

Below the navigation, there are filter options: 'Filter Your Search' and 'Clear All Filters'. Under 'Technology', there are buttons for CAD, AR, PLM, IoT, Mathcad, and SLM. Under 'Product', 'Creo Parametric' is selected. Under 'Category', 'Fundamentals' is selected. Under 'Functional Area', 'Select Functional Area' is selected. Under 'Tool', a dropdown menu is visible.

Below the filters, there is a 'What's New' section with a toggle switch and a 'Select Version' dropdown menu set to '8'. Below this, the 'Tutorials' section is displayed, showing 'Showing 6 Results for' with filters for 'Creo Parametric' and 'Fundamentals'. Three tutorial cards are visible:









- TUTORIAL**: Explore the Enhancements in Dashboards and Skin. [VIEW](#)
- TUTORIAL**: Create Custom Groups in a Model Tree. [VIEW](#)
- TUTORIAL**: Replace Quilt References. [VIEW](#)

- List of Updates per version

- Creo 5 updates: <https://learningconnector.ptc.com/search/tutorials?product=Creo%20Parametric&whatsNewVersion=5>
- Creo 6 updates: <https://learningconnector.ptc.com/search/tutorials?product=Creo%20Parametric&whatsNewVersion=6>
- Creo 7 updates: <https://learningconnector.ptc.com/search/tutorials?product=Creo%20Parametric&whatsNewVersion=7>
- Creo 8 updates: <https://learningconnector.ptc.com/search/tutorials?product=Creo%20Parametric&whatsNewVersion=8>
- Creo 9 updates: <https://learningconnector.ptc.com/search/tutorials?product=Creo%20Parametric&whatsNewVersion=9>

UPDATE TRAINING WITH LEARN

- 4 courses in the curriculum
- Timeline based classes (step from Creo 4 to Creo 8)
- Running about 100+ classes of Update training per quarter
- 2nd most popular classes behind Fundamentals
- Link to Creo LEARN catalog - <https://www.ptc.com/-/media/ptc-university/curriculum/creo/ptc-university-creo-curriculum-en.pdf>

UPDATES		
	Creo: What's New in Fundamentals	
	Creo: What's New in Modeling, Assembly, and Documentation	
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	Creo: What's New in Analysis and Other Modules	

Quarterly Number of vILT Sessions per Family Product

