Curriculum Comparison
On-Line versus Off-Line Delivery Options

We provide two delivery options for FANUC Certified CNC Training Curriculum materials. With the on-line delivery option, all content is provided by our eLearning system. With the off-line delivery option, the same content is provided by textbooks, workbooks, and CD rom disks.

While this may seem self-explanatory enough, there are some distinct advantages to choosing the on-line delivery option. Even so, many instructors still prefer more traditional training methods. You should be prepared to explain why the on-line delivery option is better. Here we highlight those items that differ between the two delivery options.

For Instructors:		
Item:	On-Line	Off-Line
Internet connection required	Yes	No
Instructor materials (instructions, lesson plans, gradebook etc.)	Yes (1)	CD rom
Test submission and grading	Automatic (2)	Manual (2)
Coordinate sheet exercise submission	Email	Hand-in
Programming activity submission	Email	Hand-in
Grade/score response templates to respond to student	Yes (3)	Manual (3)
Cost per student (per curriculum)	$125.00	$115.00 (4)
For Students:		
Item:	On-Line	Off-line
Internet connection required (computer, tablet, smart-phone)	Yes (5)	No
Presentations	Yes (6)	CD rom (6)
Reading materials	.pdf files	Textbook
Tests	Yes (7)	Workbook
Coordinate sheet exercises	.pdf files (8)	Workbook
Programming activities	.pdf files (9)	Workbook
Retain reading materials after course completion	Yes (10)	Yes (10)
Lab exercises (NCGuide/Simulator)	Yes	CD rom
Introduction to Basic Machining Practices class	Yes (11)	No

(1) Instructor materials include an instructor training presentation, reading materials for getting started, explanation of common instructor tasks, lesson plans, response answer templates (on-

line only), answer book (off-line only), gradebook, and certification cart projects. All on-line instructor materials are provided in the eLearning system. For convenience and upon request, we can also provide these materials on a CD rom disc.

(2) On-line tests are automatically graded and results are sent to the school's instructor email address. For the off-line delivery option, we provide an answer book and instructors must manually grade the students' work.

(3) On-line delivery includes response (email) templates that instructors use when grading students work. They include answers for grading, as well as a form-letter email that will be sent to the student once the assignment is graded. Off-line delivery includes an answer book that instructors use for grading. Grading must be done manually.

(4) $115.00 provides only the textbook ($90) and workbook ($25), not the Presentations Disc. The school must purchase Presentations Discs separately ($149.00 each). One is required per curriculum and per student studying concurrently. Presentations Discs can be reused from semester to semester and year to year. Presentations discs must be viewed on school property.

(5) Students can study on-line and if desired, they can download content and study off-line as well.

(6) Presentations are played in a web-browser based media player. On-line, presentations can be viewed or downloaded with any device that has an internet connection. Off-line presentations must be viewed on school property from a Presentations Disc. The PC must have a CD rom drive.

(7) On-line tests are interactive and require an Internet connection. Off-line tests are included in the workbook - they must be hand-written and submitted for grading.

(8) On-line coordinate sheet exercises are form-field .pdf files. Once completed, students email them to the instructor for grading. Off-line coordinate sheet exercises are included in the workbook - they must be hand-written and submitted for grading.

(9) Most on-line programming activities are form-field .pdf files. Once completed, students email them to the instructor for grading. Off-line programming activities are included in the workbook - they must be hand-written and submitted for grading.

(10) On-line reading materials are provided as .pdf files which can be downloaded, printed, and saved. Off-line reading materials (textbook) can be retained if students are required to purchase them.

(11) The on-line delivery option includes (free of charge) our Introduction to Basic Machining Practices class. This 3-lesson class is not part of FANUC Certified CNC Training, but it addresses topics that are prerequisite to learning CNC. They include shop safety, shop math, blueprint reading, tolerance interpretation, measuring devices, machining operations, and cutting tools. Content for the three lessons includes presentations (about 4 hours), reading materials (again, savable .pdf files), and self-grading tests (test results are not submitted to the instructor).