MFGT CURRICULUM MAP

Duties/Tasks from October 22, 2013, DACUM workshop

Proficiency Level	Proficiency Level/Bloom's Taxonomy:	Bloom's Verbs (Samples)	Student Examples
K	Knowledge/Comprehension: Recall facts, terms, basic concepts; understand facts/ideas	Identify, list, compare, explain	Student will define … Student will describe …
A	Application/Analysis: Solve problems; apply knowledge to actual situations	Illustrate, solve, calculate, summarize	Student will calculate … Student will compare …
S	Synthesis/Evaluation: rearrange parts to form a new pattern; make judgements	Assemble, create, judge, recommend	Student will design … Student will evaluate …
OJT:	Deselected tasks which will be learned on the job.	**Note:** Our program is externally accredited.	Yes: No:
		Name of Accrediting Agency:	

DUTIES/ Tasks	MFGT Courses in Which the Learning Goals are Addressed/Proficiency Level																									Other Required Courses in Which the Learning Goals are Addressed		
A: Design product	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
A1: Obtain customer needs	---	K	K	A	---	K	---	---	A	---	---	---	---	---	---	K	K	---	---	A	K	A	A	A	A	---	---	A
A2: Develop product guidelines	---	K	A	K	K	K	---	---	A	---	---	---	---	---	A	A	K	K	K	A	A	A	A	A	A	---	A	---
A3: Brainstorm product concepts	---	K	A	A	K	K	A	---	A	---	A	---	---	---	---	A	---	---	---	A	---	A	A	A	A	---	---	---
A4: Obtain customer approval	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	A	---	---	---	---	---	---	---	---	---	---	---	---
A5: Create product model	---	A	A	---	A	A	A	---	---	---	A	---	---	---	---	S	---	---	---	K	---	A	A	A	A	---	---	---
A6: Draft model blueprints	---	S	S	A	A	A	A	---	A	---	---	A	A	---	A	S	A	---	---	K	---	A	A	A	A	---	---	---
A7: Build product prototype	---	K	K	A	---	A	---	---	A	---	---	---	---	---	---	---	---	---	---	K	A	A	---	---	---	---	---	---
A8: Test product prototype	---	---	---	A	---	---	---	---	---	---	A	---	---	---	---	---	A	---	---	A	---	A	A	---	---	---	---	---
A9: Identify product modifications	---	K	K	K	A	A	---	---	---	---	K	---	---	K	A	A	A	---	---	K	A	A	---	A	A	---	A	---
A10: Confirm final product	---	---	---	---	---	A	---	---	---	---	K	A	---	---	---	---	A	---	---	---	---	---	---	---	---	---	---	---
A11: Define product plans	---	---	---	---	---	---	---	---	---	---	---	A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B: Production Planning	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
B1: Identify production rate	---	---	---	A	K	K	A	---	---	---	K	K	---	---	---	A	---	K	K	---	---	---	---	A	---	A	A	---
B2: Develop product work flow	---	---	---	---	K	K	A	---	---	---	K	K	---	---	---	A	---	K	K	---	---	---	---	---	---	A	A	---
B3: Define equipment needs	---	---	---	K	K	K	A	---	---	K	K	K	K	---	---	A	K	K	K	K	---	K	---	A	---	A	A	---
B4: Define tools needed	---	---	---	K	K	K	A	---	---	K	K	K	K	---	---	A	K	K	A	K	---	K	---	---	---	A	A	---
B5: Devise facility layout	---	---	---	---	---	K	S	---	---	---	---	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	A	---
B6: Order raw materials (eg tools)	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B7: Write work instructions	---	---	S	---	---	---	K	---	---	---	A	A	---	---	---	A	A	---	A	---	---	---	---	---	---	A	---	A
B8: Train production employees	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B9: Ramp up production	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B10: Verify production rate	---	---	---	---	---	---	A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

MFGT CURRICULUM MAP

Duties/Tasks from October 22, 2013, DACUM workshop

DUTIES/ Tasks	MFGT Courses in Which the Learning Goals are Addressed/Proficiency Level																									Other Required Courses in Which the Learning Goals are Addressed		
C: Verify product conformity	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
C1: Develop product evaluation requirements	---	---	---	A	K	K	---	---	---	---	---	---	---	K	---	A	---	K	---	K	A	K	A	A	---	---	---	---
C2: Identify critical dimensions	A	K	A	A	A	A	---	---	---	A	K	---	---	---	A	A	---	K	---	K	A	A	A	A	A	---	---	---
C3: Determine regulatory requirements	---	K	A	K	K	A	---	---	K	---	---	---	---	---	K	K	K	K	---	K	K	A	A	---	A	---	A	---
C4: Identify testing tools	A	---	---	---	---	K	---	---	A	A	---	---	---	K	K	---	K	---	---	K	K	K	---	---	---	---	---	---
C5: Perform product testing	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C6: Document testing results	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C7: Document regulatory compliance	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---
C8: Submit regulatory documentation	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C9: Obtain final approval	---	---	---	---	---	K	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C10: Publish/archive test results	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C11: Manage document retention system	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D: Conduct inventory control	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
D1: Forecast future orders	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D2: Verify material suppliers	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D3: Order product materials	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D4: Utilize inventory control systems	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---
D5: Allocate production materials	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D6: Generate material reorders	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D7: Return material authorization (RMA)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D8: Conduct physical inventory	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
E: Solve customer issues	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
E1: Identify customer issues (eg product)	---	---	K	K	A	K	K	---	---	---	---	---	---	A	---	A	K	---	---	K	K	K	---	A	A	A	A	---
E2: Investigate cause of problem	K	K	K	K	A	K	K	A	A	---	---	---	---	A	K	---	A	---	A	K	K	K	---	A	A	A	A	A
E3: Conceptualize problem solution	---	A	K	A	A	K	A	A	A	---	---	---	---	A	K	A	A	---	A	K	A	K	---	A	A	A	A	A
E4: Negotiate customer agreement	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
E5: Evaluate scope of problem	---	K	---	A	A	---	A	---	---	---	---	---	---	K	---	---	K	---	---	---	---	---	---	---	---	---	---	---
E6: Create recovery plan	---	---	---	---	---	---	---	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---
E7: Complete engineering change process	---	K	---	K	K	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

MFGT CURRICULUM MAP

Duties/Tasks from October 22, 2013, DACUM workshop

DUTIES/ Tasks	MFGT Courses in Which the Learning Goals are Addressed/Proficiency Level																									Other Required Courses in Which the Learning Goals are Addressed		
F: Maintain production equipment	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
F1: ID scheduled maintenance	---	---	---	K	---	---	K	---	---	K	---	---	---	---	---	---	---	K	K	---	---	---	---	---	---	---	---	---
F2: Plan scheduled maintenance	---	---	---	K	---	---	K	---	---	---	---	---	---	---	---	---	K	K	---	---	---	---	---	---	---	---	---	---
F3: Identify trained employees	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
F4: Procure spare parts	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	K	K	K	---	---	---	---	---	---	---	---	---
F5: Implement industrial protocols	---	---	---	---	---	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
F6: Repair defective equipment	---	---	---	---	---	---	K	---	K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
G: Pursue professional development																												
G1: Attend required company training	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
G2: Follow company policies	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
G3: Participate in vendor-sponsored training	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
G4: Obtain professional certifications	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
G5: Participate in networking opportunities	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
G6: Attend recruiting events	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
G7: Earn advanced degrees	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NOTES:																												
Program Content Not on New Chart: Modify/Remove/Rationale																												
	1125	1144	1250	1333	1350	1354	1362	1380	1413	1421	1429	1456	1458	2549	2559	2566	2620	2625	2630	2635	2643	2668	2670	2672	2680	OFFT 1110	ECON 1200	ACFS 2020
CHECKLIST:																												
1. Curriculum Map reviewed by PC and faculty:				Date:			PC signature:																					
2. Curriculum Map reviewed at Advisory Meeting:				Date:			PC signature:																					
3. Curriculum Map reviewed by Dean:				Date:			Dean signature:																					
4. Summary Report completed (see below):				Date:			PC signature:																					
5. Final copy sent to VP of Instruction & DIER:				Date:			DIER signature:																					
							VP signature:																					
SUMMARY:																												
Please note any changes you will make as a result of the DACUM workshop: including teaching methods, adding or deleting courses, results of discussions with faculty, dean, and advisory committee, budget impact, and tie-in with assessment plan.																												