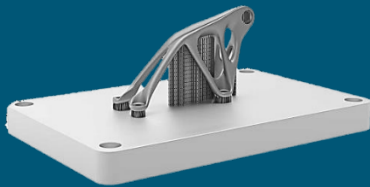


## Course/Topic

## Altair Solution

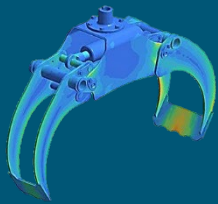
## Free Learning Collateral

**DIGITAL MANUFACTURING**  
Emphasis: 3D printing & light-weighting



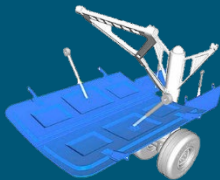
	eBook	eLearning	Certification	Tutorials	Community	Curriculum
Inspire						
Inspire Cast						
Inspire Print3D						
Inspire Form						
Inspire Extrude Metal						
Inspire Extrude Polymer						

**STRUCTURAL ANALYSIS**  
Emphasis: FEA & Topology Optimization



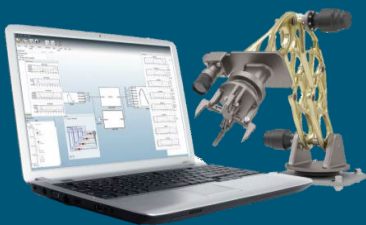
	eBook	eLearning	Certification	Tutorials	Community	Curriculum
Inspire						
SimSolid						
HyperMesh						
OptiStruct						
HyperView						
SimLab						

**KINEMATICS & DYNAMICS**  
Emphasis: Multi-body Simulation



	eBook	eLearning	Certification	Tutorials	Community	Curriculum
Inspire (Motion)						
MotionSolve & MotionView						
EDEM						
Activate						
Compose						

**MECHATRONICS & ROBOTICS**  
Emphasis: Multi-body Simulation & Controls

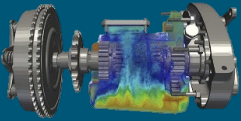


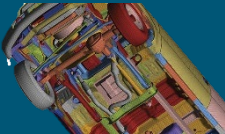
	eBook	eLearning	Certification	Tutorials	Community	Curriculum
Activate						
MotionSolve & MotionView						
Flux						
Embed						
Inspire						
Compose						

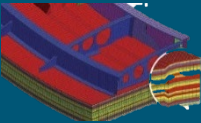
**ELECTROMAGNETICS**  
Emphasis: Antenna Design, EMC, Wireless




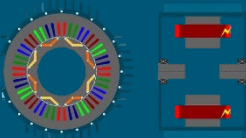
	eBook	eLearning	Certification	Tutorials	Community	Curriculum
Feko						
WinProp						
Embed						
Compose						
Activate						


<b>COMPUTATIONAL FLUID DYNAMICS (CFD)</b> Emphasis: External Aerodynamics, Fluids and Thermal 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	UltraFluidX						
	HyperWorks						
	AcuSolve						
	SimLab						
Virtual Wind Tunnel							


<b>EXPLICIT ANALYSIS</b> Emphasis: Crash and Impact 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	HyperView						
	HyperMesh						
	Radioss						
HyperGraph							


<b>COMPOSITE ANALYSIS</b> Emphasis: Composite Laminates, Material Behaviour 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	OptiStruct						
	HyperView						
	HyperMesh						
	Multiscale Designer						
ESAComp							

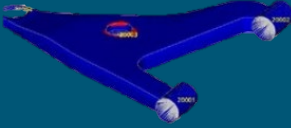
<b>DESIGN OF EXPERIMENTS</b> Emphasis: Optimization, Stochastic design 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	HyperStudy						


<b>ELECTRICAL DESIGN</b> Emphasis: Sensors, eMotor 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	Flux						
FluxMotor							

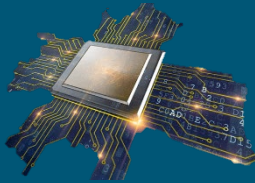
<b>SYSTEMS MODELLING</b> Emphasis: Embedded systems, Electrical/Mechanical Models 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	Compose						
	Activate						
Embed							

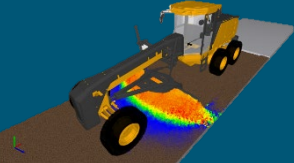
<p><b>DATA ANALYTICS &amp; AI</b> Emphasis: Data preparation, Machine Learning</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	Knowledge Studio						
	Monarch						

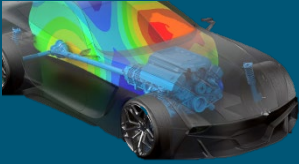
<p><b>INTERNET OF THINGS</b> Emphasis: Smart Products, Applications</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	SmartWorks						


<p><b>DURABILITY</b> Emphasis: Fatigue Analysis</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	HyperLife						
	OptiStruct						
	HyperView						
	HyperMesh						

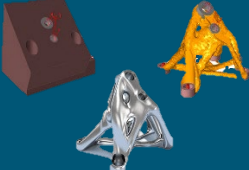
<p><b>AEROSPACE</b> Emphasis: Optimization, Analysis, Simulation</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	HyperWorks						
	OptiStruct						
	HyperView						
	HyperMesh						

<p><b>ELECTRONIC SYSTEM DESIGN</b> Emphasis: Design Automation, Semiconductors</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	Embed						
	Feko						
	SimLab						
	Flux						
	Activate						
	FluxMotor						

<p><b>DISCRETE ELEMENT METHOD</b> Emphasis: Material Simulation</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	EDEM						

<p><b>NOISE, VIBRATION, HARSHNESS</b> Emphasis: Rattle Phenomena, NVH Performance</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	OptiStruct						
	HyperView						
	HyperMesh						
	Compose						
Squeak & Rattle Detector							

<p><b>INDUSTRIAL DESIGN</b> Emphasis: Sketching, Rendering</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	Inspire Studio						
	Inspire Render						
Thea Render							

<p><b>OPTIMIZATION</b> Emphasis: Topology Optimization, Weight reduction</p> 		eBook	eLearning	Certification	Tutorials	Community	Curriculum
	Inspire						
	OptiStruct						
	HyperView						
HyperMesh							