

Railroad Engineering 101 Short Course

Preliminary Schedule*

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:30-8:00	Welcome & Introduction				
8:00-9:45	Railroad Efficiency <i>(Barkan)</i>	Rail <i>(Ruppert)</i>	Railroad Location <i>(Dick)</i>	Track Maintenance Technologies <i>(Ruppert)</i>	Project Phasing <i>(Dick)</i>
9:45-10:00	BREAK	BREAK	BREAK	BREAK	BREAK
10:00-11:45	Rolling Stock & Running Gear <i>(Dick)</i>	Crossties & Fasteners <i>(Ruppert)</i>	Horizontal & Vertical Track Geometry <i>(Dick)</i>	Track Safety Standards <i>(Ruppert)</i>	Project Estimation <i>(Dick)</i>
12:00-1:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH Issue Certificates
1:00-2:45	Train Resistance <i>(Dick)</i>	Ballast & Subgrade <i>(Ruppert)</i>	Track Structural Analysis <i>(Ruppert)</i>	Problem Solving <i>(Dick & Ruppert)</i>	ADJOURN
2:45-3:00	BREAK	BREAK	BREAK	BREAK	
3:00-4:45	Locomotives & Train Performance Simulation <i>(Dick)</i>	Turnouts & Special Trackwork <i>(Ruppert)</i>	Subgrade Design <i>(Ruppert)</i>	Field Trip	

*Course subjects, instructors and schedule are subject to change.