

**EPC 역량교육 전문가과정 (PM과정) 커리큘럼**

No	Topic	Module
1	<b>Introduction; Oil &amp; Gas EPC Market Trend &amp; Prospect</b>	<b>EPC Challenges &amp; Risks</b>
2	Scheduling Introduction and Simulations (4-D; 5-D)	Scheduling & Monitoring
3	<b>EPC Development History - Disciplinary Processes</b>	<b>EPC Challenges &amp; Risks</b>
4	<b>EPC Contractor's Risks &amp; Delivery Variations</b>	<b>EPC Challenges &amp; Risks</b>
5	Scheduling Applications with Resource Allocation	Scheduling & Monitoring
6	Offshore Plant Projects Development and Risks	Offshore EPC Technology
<b>POSTECH 현지학습 (1 Week)</b>		
7	실습 P6 (CPM Programming) Introduction	Scheduling & Monitoring
8	실습 P6 (CPM Programming) Applications	Scheduling & Monitoring
9	실습 P6 (CPM Programming) Risk Modules- Monte Carlo	Scheduling & Monitoring
10	<b>EPC Security (Bonds) &amp; Performance Requirements</b>	<b>PM Process &amp; Knowledge</b>
11	실습 Decision Suite (@RISK): Risk Assessment Tools	Risks & Mitigation
12	<b>PF EPC Bankability Requirements</b>	<b>EM-PM-MM Collaboration</b>
13		<b>PM Process &amp; Knowledge</b>
14	실습 AHP (Analytical Hierarchy Process): Expert Choice	Risks & Mitigation
15	<b>EPC FEED Quality-Verification &amp; Performance</b>	<b>Contract Management</b>
16	Negotiation Leadership for EPC Megaprojects	Disputes & Negotiation
17	PM/PL의 갈등조정과 가치창출 리더십	Disputes & Negotiation
	POSCO 견학 (2 hours)	
18	<b>사례연구-1: Process Plant Contracts - DLAP (a)</b>	<b>사례연구</b>
19	<b>사례연구-1: Process Plant Contracts - DLAP (b)</b>	<b>사례연구</b>
20	Cost Estimate and Control & EVMS	PF-Economics-Cost
21	<b>사례연구-1: Process Plant Contracts- DLAP (c)</b>	<b>사례연구</b>
22	Project Financing Arrangement for EPC Projects	PF-Economics-Cost
23	Engineering Economics and Feasibility Studies	PF-Economics-Cost
24	PM Leadership & Communication Skills	PM Process & Knowledge
25	PM Knowledge & Process: Global PM Standards	PM Process & Knowledge
26	<b>평가-1: ( QZ &amp; Acronym Review)</b>	<b>Review &amp; Evaluation</b>
27	PM Knowledge & Process: EVMS & Risks Practices	PM Process & Knowledge
28	Offshore Topside Engineering Process: Management Issues	Offshore EPC Technology
29	<b>PMBOK Process &amp; Knowledge: EPC Applications</b>	<b>PF-Economics-Cost</b>
30	<b>PMBOK Process &amp; Knowledge: Global Standards</b>	<b>EPC Liability 및 대응</b>
31	Project Manager's Knowledge for PMBOK Guide (PMP Qs)	PM Process & Knowledge
32	<b>사례연구-2: FEED/EPC Pro-forma Contract: PertoB ITB (a)</b>	<b>사례연구</b>
33	<b>Oil &amp; Gas EPC Case Studies Update (I-E-P)</b>	Offshore EPC Technology
34	<b>사례연구-2: FEED/EPC Pro-forma Contract: PetroB ITB (b)</b>	<b>사례연구</b>
35	<b>EPC Project Contracts Interface &amp; Stakeholders Interaction</b>	<b>EPC Liability 및 대응</b>
36	International EPC Contracts Management (1)	Contract Management
37	International EPC Contracts Management (2)	Contract Management
38	<b>EPC Liabilities (Liquidated Damages): History &amp; Development</b>	<b>EPC Liability 및 대응</b>
39	International EPC Contracts: PM Communication Writing	Contract Management
40	<b>EPC Liability- Damages Interaction (Contractor's Concern)</b>	<b>Contractor Liability 및 대응</b>
41	EPC Contract Management: Disputes Resolution	Contract Management
42	<b>Action-Learning: EPC Global Leader Strategies</b>	<b>사례연구</b>
43	<b>평가-2: ( QZ) &amp; Review</b>	<b>Review &amp; Evaluation</b>
44	<b>EPC Contractor's Liability Response Logics &amp; Strategies</b>	<b>Contractor Liability 및 대응</b>
45	<b>과정 정리 (EPC 대응책 PT) 및 수료식</b>	
	총 교육시간	