

ثلاثة وثلاثون : البرامج البترولية

Petroleum Technology (Down stream)

عام 201 0 من إلى :	عام 2009 من : إلى	العدد	الموضوعات	م
5/23 6/3 -	1/15 - 1/4 7/16 - 7/5	2	Distillation.	1040
5/23 6/3 -	2/12 - 2/1 10/8 - 9/27	2	Crude Oil Atmospheric Distillation.	1041
- 6/6 6/17	2/19 - 2/8 10/8 - 9/27	2	Reformer.	1042
- 6/6 6/17	2/26 - 2/15 10/8 - 9/27	2	Continuous Catalyst Regeneration. (CCR) Catalytic Reforming.	1043
6/13 - 6/24	3/5 - 2/22 10/15 - 10/4	2	Diesel Hydrotreating process.	1044
6/13 - 6/24	3/12 - 3/1 10/15 - 10/4	2	Boilers.	1045
6/20 7/1 -	4/23 - 4/12 10/22 - 10/11	2	Residue Fluid Catalytic Cracking. (RFCC).	1046
6/20 7/1 -	5/14 - 5/3 10/22 - 10/11	2	Corrosion lectures.	1047
6/27 7/8 -	5/28 - 5/17 10/29 - 10/18	2	Delayed Coking.	1048
6/27 7/8 -	6/4 - 5/24 10/29 - 10/18	2	Hydrotreating.	1049
1/10 - 1/21	6/11 - 5/31 11/5 - 10/25	2	Alkylation.	1050
1/10 - 1/21	6/18 - 6/7 11/5 - 10/25	2	ISOmerization.	1051

1/17 - 1/28	6/18 - 6/7 11/5 - 10/25	2	Sulfur Recovery and pollution control process.	1052
1/17 - 1/28	6/25 - 6/14 11/12 - 11/1	2	Hydrogen Production and Recovery.	1053
1/24 2/4 -	6/25 - 6/14 11/19 - 11/8	2	Waste water Treatment.	1054
1/24 2/4 -	7/2 - 6/21 11/26 - 11/15	2	PlatForming Process.	1055

Control System

عام 20 10 من من إلى :	عام 2009 من : إلى	أسبوع	الموضوعات	م
2/7 - 2/18	2/5 - 1/25 7/16 - 7/5	2	Process Control & Instrumentation.	1060
2/7 - 2/18	2/12 - 2/1 10/8 - 9/27	2	Room control & pipe lines.	1061
2/14 - 2/25	2/19 - 2/8 10/8 - 9/27	2	Crude oil de salting technology.	1062
2/14 - 2/25	2/26 - 2/15 10/8 - 9/27	2	Quality control of jet fuel.	1063
2/21 - 3/4	3/5 - 2/22 10/15 - 10/4	2	Control valve.	1064
2/21 - 3/4	3/12 - 3/1 10/15 - 10/4	2	Centrifugal Compressor.	1065
3/7 -	4/23 - 4/12	2	Modern Systems for Gathering & Treatment stations control.	1066

3/18	10/22 – 10/11			
3/7 – 3/18	5/14 – 5/3 10/22 – 10/11	2	Distillation & Unit Operation Control & Troubleshooting.	1067
3/14 – 3/25	5/28 – 5/17 10/29 – 10/18	2	Gas Processing and Process Control.	1068
3/14 – 3/25	6/4 – 5/24 10/29 – 10/18	2	Process Control.	1069
3/21 – 4/1	6/11 – 5/31 11/5 – 10/25	2	Process Heaters.	1070
3/21 – 4/1	6/18 – 6/7 11/5 – 10/25	2	Process Operation and Control.	1071
4/4 – 4/15	6/25 – 6/14 11/5 – 10/25	2	Temperature Measurement.	1072
4/4 – 4/15	7/2 – 6/21 11/12 – 11/1	2	Process Piping Design, Construction, Testing and Mechanical Integrity.	1073
4/11 – 4/22	6/25 – 6/14 11/19 – 11/8	2	Pressure Measurement.	1074
4/11 – 4/22	7/2 – 6/21 11/26 – 11/15	2	Chromatographic analysis.	1075

Refinery Equipment

عام 201 0 من : إلى	عام 2009 من : إلى	العدد	الموضوعات	م
4/18 - 4/29	1/15 - 1/4 7/16 - 7/5	2	Pipelines.	1080
4/18 - 4/29	2/12 - 2/1 10/8 - 9/27	2	Reliving and Flare Gas Systems.	1081
4/25 5/6 -	2/19 - 2/8 10/8 - 9/27	2	Storage Tanks.	1082
4/25 5/6 -	2/26 - 2/15 10/8 - 9/27	2	Pumps.	1083
- 5/2 5/13	3/5 - 2/22 10/15 - 10/4	2	Fired Heater.	1084
- 5/2 5/13	3/12 - 3/1 10/15 - 10/4	2	Compressors.	1085
- 5/9 5/20	4/23 - 4/12 10/22 - 10/11	2	Boilers Feed water Treatment.	1086
- 5/9 5/20	5/14 - 5/3 10/22 - 10/11	2	Facilities Integration.	1087
5/16 - 5/27	5/28 - 5/17 10/29 - 10/18	2	Blowers & Compressors for Operations.	1088
5/16 - 5/27	6/4 - 5/24 10/29 - 10/18	2	Production Operation Service Equipment.	1089
5/23 6/3 -	6/11 - 5/31 11/5 - 10/25	2	Mechanical Seals (Trouble Shooting & Maint).	1090
5/23 6/3 -	6/18 - 6/7 11/5 - 10/25	2	Stationary Equipments In Petroleum And Petrochemical Plants.	1091
- 6/6 6/17	6/18 - 6/7 11/5 - 10/25	2	Pipeline design and transportation operation.	1092
- 6/6 6/17	6/18 - 6/7 11/5 - 10/25	2	Modern crude oil storage tank maintenance and cleanup.	1093
6/13 - 6/24	6/18 - 6/7 11/5 - 10/25	2	Piping Stress Analysis & Piping System Design.	1094
6/13	6/18 - 6/7	2	Rotating and Reciprocating Equipment.	1095

- 6/24	11/5 - 10/25			
6/20 7/1 -	6/25 - 6/14 11/12 - 11/1	2	Storage Tank, Design, Construction and Maintenance.	1096
6/20 7/1 -	6/25 - 6/14 11/12 - 11/1	2	Optimal operation of distiller facilities.	1097
6/27 7/8 -	6/25 - 6/14 11/12 - 11/1	2	Inspecting heating tanks and treatment of industrial wastewater.	1098

Maintenance

عام 201 0 من إلى	عام 2009 من : إلى	أسبوع	الموضوعات	م
6/27 - 7/8	2/12 - 2/1 10/8 - 9/27	2	Maintenance Techniques Of Gas Turbines.	1105
1/10 - 1/21	2/19 - 2/8 10/8 - 9/27	2	Maintenance Program For Storage Tanks.	1106
1/10 - 1/21	2/26 - 2/15 10/8 - 9/27	2	Construction and Maintenance of Crude Oil Stations.	1107
1/17 - 1/28	3/12 - 3/1 10/15 - 10/4	2	Design, Operation and Maintenance.	1108

Corrosion Management

عام 20 10 من : إلى	عام 2009 من : إلى	أسبوع	الموضوعات	م
/17 - 1 /28 1	3/5 - 2/22 10/15 - 10/4	2	Basic Corrosion.	1110
/24 - 1 2/4	3/12 - 3/1 10/15 - 10/4	2	Corrosion in the Refining Industry.	1111
/24 - 1 2/4	4/23 - 4/12 10/22 - 10/11	2	Corrosion in Petroleum & Petrochemical Industry.	1112
2/7 - /18 2	5/14 - 5/3 10/22 - 10/11	2	Cathodes Protection Against Corrosion.	1113
2/7 - /18 2	5/28 - 5/17 10/29 - 10/18	2	Corrosion in the Oil and Gas Industry.	1114
/14 - 2 /18 2	6/4 - 5/24 10/29 - 10/18	2	Anti-erosion substances in oil refineries.	1115

Distillation

عام 201 0 من : إلى	عام 2009 من : إلى	أسبوع	الموضوعات	م
2/14 - 2/25	1/15 - 1/4 7/16 - 7/5	2	Gas Processing Techniques.	1120
2/21 3/4 -	2/12 - 2/1 10/8 - 9/27	2	Plant Shut Down System.	1121
2/21 3/4 -	2/19 - 2/8 10/8 - 9/27	2	Handling Of Emergencies In Oil & Gas Industries.	1122
- 3/7 3/18	2/26 - 2/15 10/8 - 9/27	2	HAZOP Technique.	1123
- 3/7 3/18	3/5 - 2/22 10/15 - 10/4	2	Separators In The Oil & Gas Industry.	1124
3/14 - 3/25	3/12 - 3/1 10/15 - 10/4	2	Petroleum Additives.	1125
3/14 - 3/25	4/23 - 4/12 10/22 - 10/11	2	Chemical Formulation of Petroleum Oils.	1126
3/21 4/1 -	5/14 - 5/3 10/22 - 10/11	2	Analytical Methods & Techniques Applied to Crude Oil and Petroleum Products.	1127
3/21 4/1 -	5/28 - 5/17 10/29 - 10/18	2	Oil, Gas and Water Separation.	1128
- 4/4 4/15	6/4 - 5/24 10/29 - 10/18	2	Gas Conditioning and Processing.	1129
- 4/4 4/15	6/11 - 5/31 11/5 - 10/25	2	Gas Processing and Treatment for Processing Engineers.	1130
4/11 - 4/22	6/18 - 6/7 11/5 - 10/25	2	Gas Treatment and Sulphur Recovery.	1131
4/11 - 4/22	6/18 - 6/7 11/5 - 10/25	2	Process Troubleshooting in Petroleum Refineries.	1132
4/18 - 4/29	6/18 - 6/7 11/5 - 10/25	2	Surface Production Operations.	1133

4/18 – 4/29	6/18 – 6/7 11/5 – 10/25	2	Transportation of Oil & Gas.	1134
4/25 5/6 –	6/18 – 6/7 11/5 – 10/25	2	Modern technique in crude oil refineries.	1135
4/25 5/6 –	6/25 – 6/14 11/12 – 11/1	2	Emergency Shutdown System.	1136
– 5/2 5/13	6/25 – 6/14 11/12 – 11/1	2	Hazard and Operability Studies (HAZOP Technique).	1137
– 5/2 5/13	6/25 – 6/14 11/12 – 11/1	2	Methods and Techniques for Crude Oil Evaluations.	1138

Pollution Control

عام 201 0 من إلى	عام 2009 من : إلى	العدد	الموضوعات	م
- 5/9 5/20	3/5 - 2/22 10/15 - 10/4	2	Air Pollution Control.	1140
- 5/9 5/20	3/12 - 3/1 10/15 - 10/4	2	Wastewater Analysis.	1141
- 5/16 5/27	4/23 - 4/12 10/22 - 10/11	2	Modern Systems For Gathering & Treatment Stations.	1142
- 5/16 5/27	5/14 - 5/3 10/22 - 10/11	2	Pollution Control In The Oil And Gas Industry.	1143
- 5/23 6/3	5/28 - 5/17 10/29 - 10/18	2	Environmental Impact Assessments and Monitoring.	1144

الخيال ملكة حسية داخلية لا نستطيع بواسطتها أن نتصور الأشياء المدركة بالحواس الخارجية الخمس فحسب؛ بل الأشياء التي لا تتركها هذه الحواس.

فالخيال يختلف عن الذاكرة؛ حيث تستخدم المعلومات الواردة من الحواس الخارجية الخمس وبحرية وبطريقة إبداعية.

والخيال هو الورشة الداخلية التي تقع في المنطقة المحصورة بين العقل والمشاعر، وفيها تتشكل الأفكار والاتجاهات المبتكرة.

والقدرة على التخيل أحد المهارات العقلية التي تمثل المنطلق الدائم للجديد؛ فالتخيل هو الذي يحاول الانتقال من المتاح أو المعتاد إلى المستحيل مروراً بالممكن، وهذا يعنى أن أولى خطوات التخيل هي الرغبة في الخروج من الواقع الحالى والانتقال إلى ظروف أفضل.

وليس معنى إطلاق قدرة التخيل أن نعيش فيها بشكل دائم؛ لأن ذلك يعنى أن التخيل قد فقد أهميته كأحد مهارات التفكير العقلى؛ ولكن المقصود هو ذلك التخيل الذى يفتح الأبواب والآمال حتى تتكون أهداف بعيدة نحاول الوصول إليها من خلال مجموعة الأهداف القريبة.

**من كتاب مهارات صيانة العقول البشرية - سلسلة مهارات تطوير الأداء
تأليف الدكتور محمد عبد الغني هلال**

Oil & Gas industry (Down stream)

عام 2010 من : إلى	عام 2009 من : إلى	ساعات	الموضوعات	م
6/3 - 5/23	1/15 - 1/4 7/16 - 7/5	2	Oil Movement System.	1150
6/17 - 6/6	2/12 - 2/1 10/8 - 9/27	2	Gas processing Engineering.	1151
6/17 - 6/6	2/19 - 2/8 10/8 - 9/27	2	Radio-analysis Of Raw Materials.	1152
6/24 - 6/13	2/26 - 2/15 10/8 - 9/27	2	Treatment Of Industrial Waste Water And Purifying Water.	1153
6/24 - 6/13	3/5 - 2/22 10/15 - 10/4	2	Inspecting Heating Tanks And Treatment Of Industrial Wastewater.	1154
7/1 - 6/20	3/12 - 3/1 10/15 - 10/4	2	Material Engineering And Analysis Of Mechanical Breakdowns In Refineries.	1155
7/1 - 6/20	3/26 - 3/15 11/26 - 11/15	2	Industrials water treatment in petroleum refining.	1156
7/8 - 6/27	4/23 - 4/12 11/26 - 11/15	2	Industrial chemistry.	1157
7/8 - 6/27	4/23 - 4/12 11/26 - 11/15	2	Treatment of industrial waste water and purifying water.	1158
1/21 - 1/10	4/30 - 4/19 10/22 - 10/11	2	Using chemical in cleaning the pipes cooling and heating units.	1159
1/21 - 1/10	4/30 - 4/19 10/22 - 10/11	2	Chromatographic analysis.	1160
1/28 - 1/17	5/14 - 5/3 10/22 - 10/11	2	Material engineering and analysis of mechanical breakdowns in refineries.	1161
1/28 - 1/17	5/21 - 5/10 10/22 - 10/11	2	Welding and paints engineering.	1162
2/4 - 1/24	5/28 - 5/17 10/29 - 10/18	2	Emulsions and different applications in metal working.	1163
2/4 - 1/24	6/4 - 5/24 10/29 - 10/18	2	Project General Management Course.	1164
2/18 - 2/7	6/11 - 5/31 11/5 - 10/25	2	NORN flammables.	1165
2/18 - 2/7	6/11 - 5/31 11/5 - 10/25	2	Polymer industry.	1166
2/25 - 2/14	5/28 - 5/17 11/5 - 10/25	2	Refrigeration.	1167

2/25 – 2/14	5/28 – 5/17 11/5 – 10/25	2	Inspection of Insulated Pipes Defects and Repairs Techniques.	1168
3/4 – 2/21	5/28 – 5/17 11/5 – 10/25	2	Estimated Costs for Gas Transportation, Treatment and Allocation.	1169
3/4 – 2/21	6/4 – 5/24 11/12 – 11/1	2	Water Chemistry & Analysis.	1170
3/18 – 3/7	6/4 – 5/24 11/12 – 11/1	2	Process Troubleshooting in Petroleum Refineries.	1171
3/18 – 3/7	6/4 – 5/24 11/12 – 11/1	2	Surface Production Operations.	1172
3/25 – 3/14	6/18 – 6/7 11/26 – 11/15	2	Delivery & receipt of oil tanks.	1173
3/25 – 3/14	6/18 – 6/7 11/26 – 11/15	2	Principles of gas processing.	1174
4/1 – 3/21	6/18 – 6/7 11/26 – 11/15	2	Principles of Centrifugal compressor.	1175
4/1 – 3/21	6/25 – 6/14 12/17 – 12/6	2	Centrifugal Pump Principles.	1176
4/15 – 4/4	6/25 – 6/14 12/17 – 12/6	2	Gas Technology.	1177
4/15 – 4/4	6/25 – 6/14 12/17 – 12/6	2	Liquid and Gas Dehydration.	1178
4/22 – 4/11	7/2 – 6/21 12/24 – 12/13	2	Oil and Gas Reserves Evaluation.	1179
4/22 – 4/11	7/2 – 6/21 12/24 – 12/13	2	Modern tech. in using rays.	1180
4/29 – 4/18	7/2 – 6/21 12/24 – 12/13	2	صناعة البترول ومخاطره Petroleum industry and risks	1181
4/29 – 4/18	7/16 – 7/5 12/31 – 12/20	2	Optimal operation of distiller facilities.	1182
5/6 – 4/25	7/16 – 7/5 12/31 – 12/20	2	Material engineering and analysis of mechanical breakdowns in refineries.	1183

هناك العديد من المؤثرات الإقتصادية والتعليمية والسياسية بصفة عامة والإعلامية بصفة خاصة الإيجابية منها والسلبية، التي مارست ضغوطاً كبيرة على القيم التعليمية والتربوية بصورة عشوائية، وأدى عدم التعامل معها في الوقت المناسب إلى تفاقم أثارها السلبية وتحولها إلى كوارث أفرزت العديد من الأزمات التي نعاني منها الآن .

من كتاب مهارات إدارة الأزمات التربوية – نأليف دكتور محمد عبد الغني هلال.

**Drilling & Production Technology and Reservoir
Engineering
(Up stream)**

عام 2010 من : إلى	عام 2009 من : إلى	ساعات	الموضوعات	م
5/13 - 5/2	1/15 - 1/4 7/16 - 7/5	2	Petroleum Engineering technology.	1190
5/13 - 5/2	2/12 - 2/1 10/8 - 9/27	2	Basic Drilling technology.	1191
5/20 - 5/9	2/19 - 2/8 10/8 - 9/27	2	Basic Reservoir Engineering.	1192
5/20 - 5/9	2/26 - 2/15 10/8 - 9/27	2	Gas lift operations .	1193
5/27 - 5/16	3/5 - 2/22 10/15 - 10/4	2	Well Completion and Work Over.	1194
5/27 - 5/16	3/12 - 3/1 10/15 - 10/4	2	Drilling and completion technology.	1195
6/3 - 5/23	3/26 - 3/15 11/26 - 11/15	2	ESP Application Engineering .	1196
6/3 - 5/23	4/23 - 4/12 11/26 - 11/15	2	Drilling Operation Management.	1197
6/17 - 6/6	4/23 - 4/12 11/26 - 11/15	2	Coiled Tubing Technology (CTT).	1198
6/17 - 6/6	4/30 - 4/19 10/22 - 10/11	2	Production Technology.	1199
6/24 - 6/13	4/30 - 4/19 10/22 - 10/11	2	Artificial Lift System .	1200
6/24 - 6/13	5/14 - 5/3 10/22 - 10/11	2	Basic Well Test Design & Analysis.	1201
7/1 - 6/20	5/21 - 5/10 10/22 - 10/11	2	Electric Submersible Pumping (ESP).	1202
7/1 - 6/20	5/28 - 5/17 10/29 - 10/18	2	Introduction to oil & Gas industry.	1203
7/8 - 6/27	6/4 - 5/24 10/29 - 10/18	2	Petroleum Engineering Technology.	1204
7/8 - 6/27	6/11 - 5/31 11/5 - 10/25	2	Drilling well planning.	1205

1/21 - 1/10	6/11 - 5/31 11/5 - 10/25	2	Basic Reservoir Engineering.	1206
1/21 - 1/10	5/28 - 5/17 11/5 - 10/25	2	Gas lifts operations.	1207
1/28 - 1/17	1/15 - 1/4 7/16 - 7/5	2	Well Testing And Inflow Performance.	1208
1/28 - 1/17	2/12 - 2/1 10/8 - 9/27	2	Production Problems & solution.	1209
2/4 - 1/24	5/28 - 5/17 11/5 - 10/25	2	Artificial lift system.	1210
2/4 - 1/24	5/28 - 5/17 11/5 - 10/25	2	Oil and Gas Reserves Evaluation.	1211
2/18 - 2/7	6/4 - 5/24 11/12 - 11/1	2	Directional Drilling.	1212
2/18 - 2/7	6/4 - 5/24 11/12 - 11/1	2	Formation Damage.	1213
2/25 - 2/14	6/4 - 5/24 11/12 - 11/1	2	Drilling fluid technology.	1214
2/25 - 2/14	6/18 - 6/7 11/26 - 11/15	2	Advanced well test analysis.	1215
3/4 - 2/21	6/18 - 6/7 11/26 - 11/15	2	Managing Hole Problems.	1216
3/4 - 2/21	6/18 - 6/7 11/26 - 11/15	2	Practical applied of oil and gas drilling technology.	1217
3/18 - 3/7	6/25 - 6/14 12/17 - 12/6	2	Drilling and formation damage.	1218
3/18 - 3/7	6/25 - 6/14 12/17 - 12/6	2	Pressure transient test.	1219
3/25 - 3/14	6/25 - 6/14 12/17 - 12/6	2	Production sub surface operations.	1220
3/25 - 3/14	7/2 - 6/21 12/24 - 12/13	2	Enhanced oil recovery (EOR).	1221
4/1 - 3/21	7/2 - 6/21 12/24 - 12/13	2	Well composite construction integrity completion.	1222
4/1 - 3/21	7/2 - 6/21 12/24 - 12/13	2	Wire line technology.	1223