

23 – 26 February 2021 20 – 23 April 24 – 27 August 2 – 5 November Start time: 1PM GMT (EMEA/Americas) Start time: 7AM GMT (Asia/Middle East) Start time: 5.30AM GMT (Asia/Middle East) Start time: 2PM GMT (EMEA/Americas)

MODULE #1 (day one): Understanding petrochemicals: Feedstock dynamics and industry fundamentals.

1 hour	 Understanding petrochemicals: industry development, basic production processes and building blocks How the industry has developed over the years Overview of the petrochemicals value chain: terminology explained Paraffins (alkanes), olefins (alkenes) and aromatics introduced Steam cracking to make the building blocks The impact of coronavirus: How it could reshape the industry Recycling: Introducing basic concepts and terminology
45 minutes	 Examining oil and its relationship with petrochemicals Overview of the oil refining industry Crude oil quality measurements Crude distillation, FCC and catalytic reforming processes Where petrochemicals are produced in refineries Crude oil pricing, and its influence on petrochemicals Coronavirus: Short -and long-term scenarios for oil markets
15 minutes	Break
50 minutes	 An introduction to natural gas, methanol and ammonia Types of natural gas: NGLs, LPGs and condensates Natural gas distribution and LNG Growth of shale gas and the fracking process Ethane cost advantage The impact of shale gas on US competitiveness Emerging trade in ethane Production, consumption and reserves Methanol and ammonia from natural gas Olefins and growing fuel uses from methanol
10 minutes	Summary and conclusion



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MODULE #2 (day two): Petrochemical building blocks and their major applications

1 hour Olefins: Ethylene, propylene and butadiene Ethylene and derivatives: major sources, value chains and enduses The three polyethylenes, ethylene oxide/glycol and the vinyls chain • Propylene – the versatile polypropylene and other derivatives Sources of propylene and on-purpose processes Butadiene: synthetic rubbers and other C4 derivatives Market dynamics: Demand and supply in the Coronavirus New • Normal 20 minutes Value chain exercise: Olefins 10 minutes Break 1 hour Aromatics: Benzene, toluene and xylenes Primary and secondary sources of aromatics • Benzene and derivatives: value chains and end-uses • Polymers made from styrene Tensions in the phenol-acetone chains Paraxylene to polyester Phthalates from orthoxylene Market dynamics: Demand and supply in the Coronavirus New • Normal 20 minutes Value chain exercise: Aromatics 10 minutes Summary and conclusion



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MODULE #3 (day three): Petrochemical market trends and understanding cost	
drivers	

1 hour 20 minutes	 Petrochemicals – a changed world Petrochemicals are a global business: who are the leaders; what are their roles? Key business drivers: Coronavirus, feedstock, markets, logistics and more Global and regional chemicals output; domination of China The key industries for petrochemicals Strategic moves and creating winning partnerships Trade flows and shifting regional influences Industry challenges and opportunities: social pressure and tightening controls, key trends and growth prospects
10 minutes	Break
30 minutes	 Understanding petrochemicals pricing and cost drivers How markets function and prices are set Types of prices: Spot and contract pricing Pricing jargon clarified Main price drivers – cost, supply, demand and sentiment ICIS price assessment explained Price reporting challenges; manipulation and illiquid markets
30 minutes	Application: Knowledge survey & interactive discussion
15 minutes	Summary and conclusion



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MODULE #4 (day four): Future trends: Looking into factors that are shaping the future of the petrochemicals industry

1 hour 15 minutes	 COVID-19 in focus: Implications on petrochemical markets The global market condition: Where it stands today A bipolar world: How the US and China split could be accelerated post-virus, leading to two economic and geopolitical trading zones and it would mean for petrochemicals trade flows and investments
15 minutes	Break
45 minutes	The rise of sustainability commitments and how it could change the future direction of petrochemicals
15 minutes	Summary and conclusion