

**Academic Year 2023 Teaching Schedule (Tentative)  
First Semester**

Course	Date	Petroleum & Energy Technology	Petrochemical Technology	Polymer Science
Intensive Course	July 17-27, 2023	6303502 <b>Perspectives in Petroleum and Energy Technology</b> Piya, PPC (Co-or)	6301501 <b>Perspectives in Petrochemical Technology</b> Piya, PPC (Co-or)	6302501 <b>Perspectives in Polymer Science</b> Sorapat, PPC (Co-or)
	July 31-August 4	<b>6301655 Digital Transformation Tools for Petroleum and Petrochemical Industries I (US/SD)</b>		
	July 31-August 4 (1 hr/day) (afternoon)	<b>Intro to Python for beginner</b>		
	June–December	6303628/6301645/6302640 (for 2 <sup>nd</sup> year & Ph.D. students) <b>Advanced Management in Research and Innovations</b> , PPC faculties		
1	August 7-September 1, 2023	6303620 <b>Petroleum Exploration and Production</b> Pakdi, People Care (Aug 7–18) Ruktai, SWU (Aug 21–Sep 1) Piya, PPC (Co-in)	6301602 <b>Advanced Chemical Engineering Calculations</b> Jovanovic, OSU (Aug 7–18) Kitipat, PPC (Co-in) Kitipat, PPC (Aug 21–Sep 1)	6302601 <b>Polymer Synthesis</b> Ratana, PPC (Aug 7–18) Suwabun, PPC (Aug 21–Sep 1)
2	September 11-October 6, 2023	6303629 <b>Process System Engineering</b> Kitipat, PPC (Sep 11-22) Uthaiporn, PPC (Sep 25-29) Kitipat, PPC (Oct 2-6)	6301601 <b>Transport Phenomena</b> Pramoach, PPC (Sep 11-22) Kim (UT) (Sep 25-Oct 6) ..., PPC (Co-in)	6302602 <b>Physical Chemistry of Polymers</b> Rathanawan, PPC (Sep.....) ....., CWRU (.....)
	September 18-22, 2023	6302638 <b>Frontiers in Polymer Science and Engineering I</b> (2 <sup>nd</sup> year & Ph.D. students) Dr. Panitan (9.00 a.m.-12.00 p.m.), Sorapat, PPC (Co-in)		
	October 9-13, 2023 (Morning)	<b>6301655 Digital Transformation Tools for Petroleum and Petrochemical Industries I, (US/SD)</b>		
3	October 16- November 10, 2023	6303604 <b>Advanced Fluid Mechanics</b> Ziff, UM (Oct 16-27) Boonyarach, PPC (Co-in) Boonyarach, PPC (Oct 30–Nov 10)	6301642 <b>Heterogeneous Catalysis</b> ....., OU (Oct 16-27) Sirirat, PPC (Co-in) Sirirat, PPC (Oct 30–Nov 10)	6302613 <b>Composite Materials</b> Thanyalak, PPC (Oct 16-27) Schlarb, TUK (Oct 30–Nov 10) Thanyalak, PPC (Co-in)
4	November 20- December 15, 2023	6301603 <b>Advanced Chemical Engineering Thermodynamics</b> Thirasak, PPC (Nov 20-Dec 1) Sikavitsas, OU (Dec 4-15) Thirasak, PPC (Co-in)		6302603 <b>Polymer Physics</b> Anuvat, PPC (Nov 20-Dec 1) Zhu, CWRU (Dec 4-15) Hathaikarn, PPC (Co-in)
	November 20- December 15, 2023	<b>Project Management</b> (for 2 <sup>nd</sup> year & Ph.D. students) Piya, PPC Michel Fouteau, TPA (Mar 20-24) Piya, PPC (Co-in) Wasin, Esso, Piya, PPC (Co-in) Pisan, True Corporation, Piya, PPC (Co-in)		
	December 18-22, 2023	<b>6301655 Digital Transformation Tools for Petroleum and Petrochemical Industries I (Chemtech)</b>		

**Academic Year 2023 (Tentative)**  
**Second Semester**

Course	Date	Petroleum & Energy Technology	Petrochemical Technology	Polymer Science
		6301656 <b>Digital Transformation Tools for Petroleum and Petrochemical Industries II</b> Sorapat, PPC, Kitipat, PPC, Stephan, PPC (IOT)/3-D printing		
5	January 8– February 2, 2024	6303602 <b>Natural Gas Processing</b> Merville, TPA (Jan 8–12) Uthaiporn, PPC (Co-in) Uthaiporn, PPC (Jan 15-Feb 2)	6301604 <b>Chemical Reaction Engineering</b> Siriporn, PPC (Jan 8–19) Schweitzer, IFP (Jan 22-Feb 2) Siriporn, PPC (Co-in)	6302604 <b>Polymer Processing</b> Pitt, PPC (Jan 8–19) Maia, CWRU (Jan 22-Feb 2) ....., PPC (Co-in)
6	February 12– March 8, 2024	6303639 <b>Alternative Energy Sources</b> Schwank, UM (Feb 12-23) Apanee, PPC (Co-in) Apanee, PPC (Feb 26-Mar 8)	6301632 <b>Alternative Energy Sources</b> Schwank, UM (Feb 12-23) Apanee, PPC (Co-in) Apanee, PPC (Feb 26-Mar 8)	6302611 <b>Polymer Characterization</b> Sorapat, PPC (Feb 12-23) Stephan, PPC (Feb 26-Mar 8)
		<b>6303616 Selected Topics in Petroleum Technology</b> (Ph.D., 2 <sup>nd</sup> year) Gunaltun, TPA Piya (Co-in) Guest (5 days) (Piya, Co-in)		
7	March 18-April 12, 2024	6303624 <b>Enhanced Oil Recovery</b> Moreau, TPA (Mar 18-22) Shiau, OU (Mar 25-Apr 5) Uthaiporn/Ampira, PPC (Apr 8-12) Uthaiporn, PPC (Co-in)	6301631 <b>Surfactant Science and Technology</b> Sumaeth, PPC (Mar 18-29) Ampira, PPC (Apr 1-12)	6302710 <b>Advances in Polymer Science</b> Hathaikarn, PPC (Mar 18-29) Manit, PPC (Apr 1-12)
	April 1-12, 2024	6301654 <b>Strategic Planning in Innovative Industrial R&amp;D</b> (for 2 <sup>nd</sup> year & Ph.D. students) Santi, UOP LLC Thirasak, PPC (Co-in)		
8	April 22–May 17, 2024	6303607 <b>Petroleum Refining Technology</b> Piya, PPC (Apr 22-May 3) Verstraete, IFP (May 6-17) (Piya, PPC (Co-in)	6301625 <b>Petrochemical Industry: Technology and Economics</b> Santi (Apr 22-May 3) Nungruetai, (May 6-7) Pattarakorn, (May 8-10) Kongkiat (May 13-16) Thirasak, PPC (Co-in)	6302640 <b>Biorefinery to Green Polymers</b> Weder, UNIFR (Apr 22-May 3) Gert-Jan Gruter, UVA (May 6-17) Ratana (Co-in)