

Week	Day	Lecture Topic	Assignments	Due Date	Lecture No.	Screen Cast
1	6-Jan	Course Overview Lecture	<i>Review Chapters 16 & 17 Sieder, et. al.,</i> HW 1		<u>1</u>	<u>1</u>
	8-Jan	Review of Project Economics (CAPEX)			<u>2</u>	<u>2</u>
	10-Jan	Review of Project Economics (OPEX & Cash Flow)			<u>3</u>	<u>3</u>
2	13-Jan	Process Creation	<i>Chapter 6 & 7 Sieder, et.al.,</i> HW 2-Process Creation		<u>4</u>	<u>4</u>
	15-Jan	Heuristics in Process Simulation		HW 1	<u>5</u>	<u>5</u>
	17-Jan	Reactors	Chapter 8 Sieder, et.al.,		<u>6</u>	<u>6</u>
3	20-Jan	MLK Holiday	HW 3-Reactors			
	22-Jan	Reactors - Selectivity and Heat Effects		HW 2	<u>7</u>	<u>7</u>
P	24-Jan	Attainable Region	<i>Attainable Region Article</i>		<u>8</u>	<u>8</u>
4	27-Jan	Separations	<i>Chapter 9 Sieder, et.al.,</i> HW 4-Separations		<u>9</u>	<u>9</u>
	29-Jan	Distillation Trains		HW 3	<u>10</u>	<u>10</u>
	31-Jan	Separations and Reactors			<u>11</u>	<u>11</u>
5	3-Feb	Reactor, Separation and Recycle	<i>Reactor-Sep.-Recycle Networks Article,</i> HW5		<u>12</u>	<u>12</u>
	5-Feb	Reactor, Separation and Recycle			<u>13</u>	<u>13</u>
P	7-Feb	Reactor, Separation and Recycle		HW 4	<u>14</u>	<u>14</u>
6	10-Feb	Effects of Impurities on Reactors - HX	HW 6 - Recycle		<u>15</u>	<u>15</u>
	12-Feb	Effects of Impurities on Separators			<u>16</u>	<u>16</u>
	14-Feb	Effects of Impurities on Recycle		HW 5	<u>17</u>	<u>17</u>
7	17-Feb	President's Day Holiday	<i>Sieder Chapter 10 & 11,</i> HW 6- Pinch Analysis			
	19-Feb	Project Organization	Form Teams for Competition		<u>18</u>	<u>18</u>
P	21-Feb	AIChE Contest Problem Kick Off	Design Contest Problems Assigned, Sieder Chapter	HW 6	<u>19</u>	<u>19</u>
8	24-Feb	Project Management			<u>20</u>	<u>20</u>
	26-Feb	Heat and Power Integration	<i>Sieder Chapter 10 & 11</i>		<u>21</u>	<u>21</u>
P	28-Feb	Sequential Batch Processing			<u>22</u>	<u>22</u>
9	2-Mar	Optimization on Process Flowsheets	<i>Sieder Chapter 18</i>		<u>23</u>	<u>23</u>
	4-Mar	Plantwide Control	<i>Sieder Chapter 20, Memo 1 Due - Planning Me</i> Memo 1		<u>24</u>	<u>24</u>
P	6-Mar	Plantwide Control			<u>25</u>	<u>25</u>
10	9-Mar	Spring Break	Spring Break			
	11-Mar	Spring Break	Spring Break			
	13-Mar	Spring Break	Spring Break			
11	16-Mar	AIChE Contest Problem for 60 Days				
	18-Mar	AIChE Contest Problem for 60 Days	Class Will Meet This Day, Memo 2 Due - Progress R	Memo 2	<u>26</u>	<u>26</u>
	20-Mar	AIChE Contest Problem for 60 Days				
12	23-Mar	AIChE Contest Problem for 60 Days				
	25-Mar	AIChE Contest Problem for 60 Days	Class Will Meet This Day, Memo 3 Due - Progress R	Memo 3	<u>27</u>	<u>27</u>
	27-Mar	AIChE Contest Problem for 60 Days				
13	30-Mar	AIChE Contest Problem for 60 Days				
	1-Apr	AIChE Contest Problem for 60 Days	Class Will Meet This Day, Memo 4 Due - Progress R	Memo 4	<u>28</u>	<u>28</u>
	3-Apr	AIChE Contest Problem for 60 Days				
14	6-Apr	AIChE Contest Problem for 60 Days				
	8-Apr	AIChE Contest Problem for 60 Days	Class Will Meet This Day, Memo 5 Due - Progress R	Memo 5	<u>29</u>	<u>29</u>
	10-Apr	AIChE Contest Problem for 60 Days				
15	13-Apr	AIChE Contest Problem for 60 Days				
	15-Apr	AIChE Contest Problem for 60 Days	Class Will Meet This Day, Memo 6 Due - Progress R	Memo 6	<u>30</u>	<u>30</u>
	17-Apr	AIChE Contest Problem for 60 Days				
16	20-Apr	AIChE Contest Problem for 60 Days				
	21-Apr	Last Day of Classes (Tuesday)	Contest Projects due at Midnight	Report Due		