										MID	TERM									
2021-2022 SUMMER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101E and KIM 101 OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1. Identify and apply atomic theories and useful relationships from the periodic table		+	+			+	+		+											
2. Make calculations with using stochiometry in chemical reactions				+			+	+		+		+		+					+	+
3. Solve different problems about liquid solutions and gases										+					+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy	+				+								+							
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories											+									
6. Show the crystal structures of solids and skills to solve related problems																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)								+												
AVERAGE (OVER 100) For KIM 101 :60.8 For KIM 101E: 61.6																				

										FIN	NAL									
2021-2022 SUMMER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101E and KIM 101 OUTCOMES	3	19	16	20	7	18	6	10	5	17	2	13	1	8	4	14	11	12	9	15
1. Identify and apply atomic theories and useful relationships from the periodic table	+							+												
2. Make calculations with using stochiometry in chemical reactions		+		+					+				+			+				
3. Solve different problems about liquid solutions and gases		+	+	+			+		+				+	+	+		+	+		
4. Make applications about heat, work, enthalpy and internal energy														+		+			+	
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories										+	+									
6. Show the crystal structures of solids and skills to solve related problems												+								
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration		+		+	+	+														+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)									+											+
AVERAGE (OVER 100) For KIM 101 :48.4 For KIM 101E: 47.7																				

										MID	TERM									
2021-2022 SPRING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table					+	+	+											+		
2. Make calculations with using stochiometry in chemical reactions	+	+					+	+		+		+	+	+	+	+	+		+	
3. Solve different problems about liquid solutions and gases								+	+	+		+	+				+		+	
4. Make applications about heat, work, enthalpy and internal energy		+		+			+									+			+	
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories			+								+									+
6. Show the crystal structures of solids and skills to solve related problems																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																			+	
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)										+		+		+						
AVERAGE (OVER 100) For KIM 101 : 44.7 For KIM 101E: 50.3																				

						HOMEWOR	K 1			
2021-2022 SPRING	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+	+	+							
2. Make calculations with using stochiometry in chemical reactions	+			+	+	+	+	+		+
3. Solve different problems about liquid solutions and gases					+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy										
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories										
6. Show the crystal structures of solids and skills to solve related problems										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration							+	+		
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)						+	+	+		
AVERAGE (OVER 100) For KIM 101 : 83.88 For KIM 101E: 85.43										

						HOMEWOR	RK 2			
2021-2022 SPRING	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table			+				+			
2. Make calculations with using stochiometry in chemical reactions	+		+							
3. Solve different problems about liquid solutions and gases	+	+						+		+
4. Make applications about heat, work, enthalpy and internal energy	+		+							
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories				+	+	+	+			
6. Show the crystal structures of solids and skills to solve related problems									+	
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration	+	+								
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)										
AVERAGE (OVER 100) For KIM 101 : 59.26 For KIM 101E: 60.28										

										FII	NAL									
2021-2022 SPRING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions		+				+		+	+		+									+
3. Solve different problems about liquid solutions and gases	+	+	+	+	+	+			+	+		+				+			+	+
4. Make applications about heat, work, enthalpy and internal energy						+					+							+		
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories							+							+						
6. Show the crystal structures of solids and skills to solve related problems																	+			
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration			+					+					+		+	+		+		
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)			+	+											+					+
AVERAGE (OVER 100) For KIM 101 : 39.2 For KIM 101E: 39.5																				

			MID	FERM																
2021-2022 FALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	0	<b>′</b>	0	9	10	11	12	13	14	15	10	17	10	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table			+			+	+	+												
2. Make calculations with using stochiometry in chemical reactions	+	+			+		+						+				+		+	+
3. Solve different problems about liquid solutions and gases		+							+						+			+	+	+
4. Make applications about heat, work, enthalpy and internal energy										+							+			
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories			+	+							+	+				+				
6. Show the crystal structures of solids and skills to solve related problems																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration													+	+					+	
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)		+																		
AVERAGE (OVER 100) For KIM 101 : 51.6 For KIM 101E: 41.9																				

						HOMEWOR	RK 1			
2021-2022 FALL	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table		+	+							
2. Make calculations with using stochiometry in chemical reactions	+			+	+	+	+	+	+	+
3. Solve different problems about liquid solutions and gases					+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy										
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories										
6. Show the crystal structures of solids and skills to solve related problems										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration				+						
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+									
AVERAGE (OVER 100) For KIM 101 : 90.3 For KIM 101E: 89.8										

						HOMEWO	RK 2			
2021-2022 FALL	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table										
2. Make calculations with using stochiometry in chemical reactions										
3. Solve different problems about liquid solutions and gases					+		+			
4. Make applications about heat, work, enthalpy and internal energy	+	+								+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories			+	+						
6. Show the crystal structures of solids and skills to solve related problems						+			+	
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration		+						+		+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)					+			+		
AVERAGE (OVER 100) For KIM 101 : 93.5 For KIM 101E: 93.3										

										FIN	NAL									I
2021-2022 FALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions	+	+	+	+													+	+	+	
3. Solve different problems about liquid solutions and gases	+	+		+	+						+	+	+	+	+	+	+			
4. Make applications about heat, work, enthalpy and internal energy						+	+													
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories								+	+											
6. Show the crystal structures of solids and skills to solve related problems										+										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration		+	+															+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+		+								+				+					
AVERAGE (OVER 100) For KIM 101 : 47.0 For KIM 101E: 41.9																				

						MIDTERN	N			
2020-2021 SUMMER	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table		+		+						
2. Make calculations with using stochiometry in chemical reactions	+				+	+	+	+		
3. Solve different problems about liquid solutions and gases					+			+	+	
4. Make applications about heat, work, enthalpy and internal energy										+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories			+							
6. Show the crystal structures of solids and skills to solve related problems										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration					+	+				+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)		+							+	
AVERAGE (OVER 100) For KIM 101 : 57.8 For KIM 101E: 55.4										

									FIN	AL						
2020-2021 SUMMER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table					+											
2. Make calculations with using stochiometry in chemical reactions				+	+		+	+	+			+			+	+
3. Solve different problems about liquid solutions and gases				+		+	+		+	+	+	+	+	+		+
4. Make applications about heat, work, enthalpy and internal energy					+											
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories	+															
6. Show the crystal structures of solids and skills to solve related problems			+													
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration		+				+	+	+		+	+	+			+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)				+										+		
AVERAGE (OVER 100) For KIM 101 :50.3 For KIM 101E: 42.5																

						MIDTERN	M			
2020-2021 SPRING	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+	+	+							
2. Make calculations with using stochiometry in chemical reactions			+	+	+	+	+		+	
3. Solve different problems about liquid solutions and gases					+	+	+	+	+	
4. Make applications about heat, work, enthalpy and internal energy									+	
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories										+
6. Show the crystal structures of solids and skills to solve related problems										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration						+	+		+	
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)			+	+	+					
AVERAGE (OVER 100) For KIM 101 : 62.0 For KIM 101E: 64.6										

						HOMEWOR	RK 1			
2020-2021 SPRING	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+	+	+							
2. Make calculations with using stochiometry in chemical reactions					+	+	+	+		
3. Solve different problems about liquid solutions and gases							+	+	+	
4. Make applications about heat, work, enthalpy and internal energy										+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories				+						
6. Show the crystal structures of solids and skills to solve related problems										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration										
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+				+					
AVERAGE (OVER 100) For KIM 101 :72.5 For KIM 101E: 75.0										

						HOMEWO	RK 2			
2020-2021 SPRING	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table										
2. Make calculations with using stochiometry in chemical reactions		+								+
3. Solve different problems about liquid solutions and gases	+		+		+	+	+	+	+	
4. Make applications about heat, work, enthalpy and internal energy		+								
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories										
6. Show the crystal structures of solids and skills to solve related problems				+						
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration								+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)							+	+		
AVERAGE (OVER 100) For KIM 101 : 73.9 For KIM 101E: 75.4										

									FIN	AL						
2020-2021 SPRING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+															
2. Make calculations with using stochiometry in chemical reactions		+		+	+	+	+				+		+			
3. Solve different problems about liquid solutions and gases		+	+	+	+	+		+	+	+				+	+	
4. Make applications about heat, work, enthalpy and internal energy				+					+			+				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories	+															
6. Show the crystal structures of solids and skills to solve related problems													+			
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration			+			+	+				+	+				+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)						+		+							+	
AVERAGE (OVER 100) For KIM 101 : 49.0 For KIM 101E: 49.4																

						MIDTERM				
2020-2021 FALL	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+	+								
2. Make calculations with using stochiometry in chemical reactions		+	+		+	+	+	+	+	+
3. Solve different problems about liquid solutions and gases					+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy										+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories				+						
6. Show the crystal structures of solids and skills to solve related problems										
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration										
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+		+			+				
AVERAGE (OVER 100) For KIM 101 : 60.8 For KIM 101E: 55.5										

						FINAL				
2020-2021 FALL	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table			+						+	
2. Make calculations with using stochiometry in chemical reactions	+	+		+	+	+		+		
3. Solve different problems about liquid solutions and gases				+	+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy										
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories			+							
6. Show the crystal structures of solids and skills to solve related problems	+									
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration		+		+	+				+	
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+						+			+
AVERAGE (OVER 100) For KIM 101 : 58.49 For KIM 101E: 58.49										

						FINAL				
2019-2020 SUMMER	1	2	3	4	5	6	7	8	9	10
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table										
2. Make calculations with using stochiometry in chemical reactions	+	+								
3. Solve different problems about liquid solutions and gases		+	+							
4. Make applications about heat, work, enthalpy and internal energy				+						+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories					+					
6. Show the crystal structures of solids and skills to solve related problems						+				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration				+			+	+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)			+			+	+			
AVERAGE (OVER 100) For KIM 101 : 38.06 For KIM 101E: 33.37										

											М	lidterm	)							
2019-2020 SPRING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OUTCOMES	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	1	-	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+	+	+	+	+		+													
2. Make calculations with using stochiometry in chemical reactions										+	+			+	+	+	+	+		
3. Solve different problems about liquid solutions and gases												+	+	+	+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy																				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories						+		+												
6. Show the crystal structures of solids and skills to solve related problems																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+										+							+		+
AVERAGE (OVER 100) For KIM 101 : 58.25 For KIM 101E: 61.8																				

									Final						
2019-2020 SPRING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table															
2. Make calculations with using stochiometry in chemical reactions															
<ol> <li>Solve different problems about liquid solutions and gases</li> </ol>	+	+					+	+	+	+	+			+	
<ol> <li>Make applications about heat, work, enthalpy and internal energy</li> </ol>			+	+											
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories					+	+									
<ol> <li>Show the crystal structures of solids and skills to solve related problems</li> </ol>															
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration			+	+			+		+	+	+	+	+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)		+					+		+		+				
AVERAGE (OVER 100) For KIM 101 :37.14 For KIM 101E: 38.57															

											Mi	dterm	I							
2019-2020 FALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+		+	+	+	+	+	+												
2. Make calculations with using stochiometry in chemical reactions		+								+	+	+	+		+	+	+	+	+	+
3. Solve different problems about liquid solutions and gases											+	+	+	+	+		+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy																				1
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories																				
6. Show the crystal structures of solids and skills to solve related problems																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)				+		+			+	+										
AVERAGE (OVER 100) For KIM 101 : 63.2 For KIM 101E: 56.5																				

											MI	DTERM								
2019-2020 FALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table									+							+				
2. Make calculations with using stochiometry in chemical reactions	+																			
3. Solve different problems about liquid solutions and gases																+	+	+		
4. Make applications about heat, work, enthalpy and internal energy	+	+	+	+									+							
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories					+	+	+	+	+	+	+	+								
6. Show the crystal structures of solids and skills to solve related problems														+						
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration		+	+	+							+		+		+		+	+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)				+								+						+	+	+
AVERAGE (OVER 100) For KIM 101 : 53.1 For KIM 101E: 46,35																				

											ſ	Final								
2019-2020 FALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KIM101 and KIM 101E OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions	+	+				+														
3. Solve different problems about liquid solutions and gases	+	+	+	+		+			+			+	+	+		+	+			
4. Make applications about heat, work, enthalpy and internal energy					+															+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories							+	+												
6. Show the crystal structures of solids and skills to solve related problems																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration						+			+	+	+	+	+	+	+	+	+	+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)		+	+					+	+											
AVERAGE (OVER 100) For KIM 101 : 50 For KIM 101E: 43.75																				

2018-2019 Summer												Midte	erm I							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+	+		+	+	+	+	+		+	+									
2. Make calculations with using stochiometry in chemical reactions			+						+	+		+	+	+						
3. Solve different problems about liquid solutions and gases														+	+	+	+	+	+	+
4. Make applications about heat, work, enthalpy and internal energy																				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories																				
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+								+					+		+		+		+
AVERAGE(OVER 100) For KIM 101 : 61.4 For KIM 101E: 58.2																				

2018-2019 Summer												Midte	erm II							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions																				
3. Solve different problems about liquid solutions and gases																				
4. Make applications about heat, work, enthalpy and internal energy	+	+	+		+															
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories				+		+	+	+	+	+	+				+					
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions												+	+	+		+	+	+	+	+
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)		+	+									+	+	+			+	+		
AVERAGE(OVER 100) For KIM 101 : 45.9 For KIM 101E: 43.8																				

2018-2019 Summer												Fin	al							I
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table	+						+	+												
2. Make calculations with using stochiometry in chemical reactions								+												+
3. Solve different problems about liquid solutions and gases	+																			
4. Make applications about heat, work, enthalpy and internal energy		+							+						+					+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories			+								+		+							
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions					+					+				+		+				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration				+		+	+	+				+			+		+	+	+	
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)					+	+				+		+		+				+		
AVERAGE(OVER 100) For KIM 101 : 41.15 For KIM 101E: 44.85																				

2018-2019 Spring												Midte	erm I							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table		x	x	X			x	x	x	x	X		Х							
2. Make calculations with using stochiometry in chemical reactions	х					x									x	x				
3. Solve different problems about liquid solutions and gases					х							Х		х			x	х	х	Х
4. Make applications about heat, work, enthalpy and internal energy																				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories																				
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)																				
AVERAGE(OVER 100) For KIM 101 : 55.6 For KIM 101E: 57.25																				

2018-2019 Spring												Midte	rm II							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions																				
3. Solve different problems about liquid solutions and gases																				
4. Make applications about heat, work, enthalpy and internal energy	x	x	x	x						х		x								
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories					x	x	x	x	x				x							
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions											x			х	х	x	х	х	х	х
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)																				
AVERAGE(OVER 100) For KIM 101 : 48.4 For KIM 101E: 47.25																				

2018-2019 Spring												Fin	al							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions												x								
3. Solve different problems about liquid solutions and gases	x	Х																		
4. Make applications about heat, work, enthalpy and internal energy			Х							x										
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories				x	x															
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions											x								x	x
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration						×	x	×	×				x	x	x	x	x	x		
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)																				
AVERAGE(OVER 100) For KIM 101 :42.85 For KIM 101E: 44.35																				

2018-2019 FALL												Midte	erm I							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<ol> <li>Identify and apply atomic theories and useful relationships from the periodic table</li> </ol>	+									+					+	+	+	+	+	+
2. Make calculations with using stochiometry in chemical reactions		+	+	+	+	+	+	+	+											
<ol> <li>Solve different problems about liquid solutions and gases</li> </ol>					+		+	+	+		+	+	+	+						
4. Make applications about heat, work, enthalpy and internal energy																				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories																				
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)					+															
AVERAGE(OVER 100) For KIM 101 : 63.2 For KIM 101E: 59.8																				

2018-2019 FALL												Midte	rm II							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions																				
3. Solve different problems about liquid solutions and gases																				
4. Make applications about heat, work, enthalpy and internal energy						+	+										+	+	+	+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories	+	+	+	+	+															
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions								+	+	+	+	+	+	+	+	+				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)																				
AVERAGE(OVER 100) For KIM 101 :52.55 For KIM 101E: 49.55																				

2018-2019 FALL												Fin	al							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<ol> <li>Identify and apply atomic theories and useful relationships from the periodic table</li> </ol>																				
2. Make calculations with using stochiometry in chemical reactions																				
3. Solve different problems about liquid solutions and gases								+			+		+				+			
4. Make applications about heat, work, enthalpy and internal energy									+											
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories		+																		
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions	+									+		+								
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration			+	+	+	+	+							+	+	+		+	+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)																				
AVERAGE(OVER 100) For KIM 101 : 46.65 For KIM 101E: 43.7																				

2017-2018 Summer												1 <sup>st</sup> Mic	lterm							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<ol> <li>Identify and apply atomic theories and useful relationships from the periodic table</li> </ol>	x	x	x	x	x	x	x	x	x				x							
2. Make calculations with using stochiometry in chemical reactions		x					x		x	x	x	x	x	x				x		
3. Solve different problems about liquid solutions and gases											x				х	х	х	х	x	x
4. Make applications about heat, work, enthalpy and internal energy																				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories																				
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)					x			x	x	x						x	x			
AVERAGE(OVER 100) For KIM 101 : 50.35 For KIM 101E: 47.15																				

2017-2018 Summer											:	2 <sup>nd</sup> Mi	dterm							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																				
2. Make calculations with using stochiometry in chemical reactions																				
3. Solve different problems about liquid solutions and gases					x				x											
4. Make applications about heat, work, enthalpy and internal energy	x	x	х	x																x
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories														x	x	x	x	x	x	
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions					x	x	x	x	x	x	x	x	x							
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	x			x			x				x									x
AVERAGE(OVER 100) For KIM 101 : 46.0 For KIM 101E: 39.6																				

2017-2018 Summer												Fin	al							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table									x		x									
2. Make calculations with using stochiometry in chemical reactions			x			x											х			
3. Solve different problems about liquid solutions and gases						x														
4. Make applications about heat, work, enthalpy and internal energy							x			х							х			
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories											x	x				x				
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions					x		x						x					х	x	
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration	x	x	x	x				×						x	×		x			x
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)					x		x		x	x			x		x					
AVERAGE(OVER 100) For KIM 101 : 46.49 For KIM 101E: 45.3																				

2017-2018 Spring												1 <sup>st</sup> Mic	dterm							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<ol> <li>Identify and apply atomic theories and useful relationships from the periodic table</li> </ol>	х	x	x	x				x										x		x
2. Make calculations with using stochiometry in chemical reactions					x	x	x						x		x	x	x		x	
3. Solve different problems about liquid solutions and gases					x				х	х	x	x		х	х	х				
4. Make applications about heat, work, enthalpy and internal energy																				
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories																				
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions																				
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)						x	x	x					x	x				x	x	
AVERAGE(OVER 100) For KIM 101 : 59.1 For KIM 101E: 59.9																				

2017-2018 Spring												2 <sup>nd</sup> Mi	dterm							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<ol> <li>Identify and apply atomic theories and useful relationships from the periodic table</li> </ol>	x	x	x	x	x	x														
2. Make calculations with using stochiometry in chemical reactions								x												
3. Solve different problems about liquid solutions and gases													x							
4. Make applications about heat, work, enthalpy and internal energy								x	х	x		x								
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories	x	x	x	x	x	x	x				x									
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions														x	x	x	х	x	x	x
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																				
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)							x		x				x	x		x	x	x		x
AVERAGE(OVER 100) For KIM 101 : 42.5 For KIM 101E: 41.65																				

2017-2018 Spring												Fin	al							
KIM101 and KIM 101E OUTCOMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<ol> <li>Identify and apply atomic theories and useful relationships from the periodic table</li> </ol>		x																		
2. Make calculations with using stochiometry in chemical reactions			x															x		
3. Solve different problems about liquid solutions and gases			x			x														
4. Make applications about heat, work, enthalpy and internal energy									x	x		x								
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories															x	x			x	x
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions							x						x	x			x			
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration	x			x	x			x			x							x		
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)		x			x			x					x	x				x		
AVERAGE(OVER 100) For KIM 101 : 39.55 For KIM 101E: 41.15																				

2017-2018 Fall	Midterm           1         2         4         5         6         10         11         12         14         15         12         14         15         10         10         20																								
KIM101 and KIM 101E	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table			+								+								+	+	+	+		+	+
2. Make calculations with using stochiometry in chemical reactions			+				+	+	+	+	+														
3. Solve different problems about liquid solutions and gases								+		+		+	+												
4. Make applications about heat, work, enthalpy and internal energy														+	+	+	+	+					+		
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories	+	+		+	+	+																			
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions																									
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration																									
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)					+		+		+						+	+									
AVERAGE(OVER 100) For KIM 101 : 61 For KIM 101E: 52.29																									

2017-2018 Fall	<b>Final</b>																								
KIM101 and KIM 101E	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
OUTCOMES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. Identify and apply atomic theories and useful relationships from the periodic table																			+		+				
2. Make calculations with using stochiometry in chemical reactions									+				+												
3. Solve different problems about liquid solutions and gases																						+		+	
4. Make applications about heat, work, enthalpy and internal energy												+	+							+			+		+
5. Set up the three dimensional shape of molecular compounds with using their chemical bonding knowledge and some other bond theories				+															+						
6. Show the crystal structures of solids and to have knowledge about the physical properties of solutions	+	+	+		+				+							+	+	+							
7. Solve problems about thermodynamic, chemical equilibrium, acid and base concepts and concentration						+	+	+		+	+	+		+	+									+	+
8. Integrate their chemistry knowledge to their daily life with the real-world examples (examples relevant to the biological sciences, engineering and the environmental sciences)	+		+			+								+	+							+			
AVERAGE(OVER 100) For KIM 101 : 49.8 For KIM 101E: 43.6																									