ABEN 263 Lab Plan for Spring 2020 (Last updated: January 10, 2020)

Blue shading: days requiring assistance from Ibk and/or Sanaul or Sagar M=Monono, I=Ibukunoluwa, SH=Sanaul, and SR=Sagar

Tentatively, Tuesday's labs in the Pilot Plant will be 12:30 to 5 p.m. (three 90 min groups). Each group consists of 3-4 students. We have 19 students enroll now. We will only need a Thursday lab section if we have >24 students enrolled.

1.	Jan. 14: Course introduction; course pre-test (in Pilot Plant)	
2.	Jan. 21: Quality evaluation of canola seed (in Pilot Plant)	M, I, SI
3.	Jan. 28: Mass balance for screw pressing of canola oil (in Pilot Plant)	M, I
4.	Feb 4: Spreadsheet software for problem and data analysis (in ABEN 210 cluster)	
5.	Feb. 11: 1st test (bring calculator; ABEN 215 beginning 2 p.m.)	
6.	Feb. 18: Fluid properties of soup concentrates and biodiesel (in Pilot Plant)	M, I
7.	Feb. 25: Process plant tour (meet on E. side of ABEN building)	
8.	Mar 3: Thermal energy balance on evaporator (in Pilot Plant)	M, SH
9.	Mar. 10: 2 nd Test (bring calculator; ABEN 215 beginning 2 p.m.)	
	NDSU Spring Break (March 16-20)	
10.	Mar. 24: Mid-course review & assessment (Pilot Plant beginning 2 p.m.)	
11.	Mar 31: Process plant tour (meet on E. side of ABEN building)	
12.	Apr. 7: Double pipe heat exchanger (in Pilot Plant)	M, I
13.	Apr. 14 (follows Easter weekend): 3rd test (bring calculator; ABEN 215 beginning	2 p.m.)
14.	Apr. 21: Dataloggers and "Hot Box" Event (in ABEN 210 cluster)	M, SR
15.	Apr. 28: Programmable logic controllers in processing (in ABEN 210 cluster)	M, SR
16.	May 5: Lab period this week will be for any needed makeup for weather cancellat	ion