

# McGinnis Institute of Beet Sugar Technology

## Sugar End – 2023 First Week Schedule

**Sunday, July 9**

**Monday, July 10**

**Hilton Garden Inn, Fort Collins, Colorado**

**8:00 Set up classroom**

**4:30 pm – 6:00 pm = Student Check-In**

**Tuesday, July 11**

**8:00 Orientation by Bill Gough**  
**8:45 SX-1 Opening Lecture by Campbell Shuford**  
**10:00 Break**  
**10:15 S-1 Evaporators and Steam Economy**  
by Scott Hyer  
**11:00 Break**  
**11:15 S-1 Evaporators and Steam Economy**  
by Scott Hyer  
**Noon Lunch**  
**1:00 S-1 Evaporators and Steam Economy**  
by Scott Hyer  
**2:30 Break**  
**2:45 S-1 Evaporators and Steam Economy**  
by Scott Hyer  
**4:30 Break**  
**4:45 Future Factory Project**  
**5:00 End**

**Wednesday, July 12**

**8:00 S-1 Exam and Discussion**  
**9:00 Break**  
**9:15 S-2 Crystal Formation and Growth**  
by Kevin Romzek  
**10:30 Break**  
**10:45 S-2 Crystal Formation and Growth**  
by Kevin Romzek  
**Noon Lunch**  
**1:00 S-2 Crystal Formation and Growth**  
by Kevin Romzek  
**2:15 Break**  
**2:45 S-2 Crystal Formation and Growth**  
by Kevin Romzek  
**3:45 Break**  
**4:00 Future Factory Project**  
**4:15 End**

**Thursday, July 13**

**8:00 S-2 Exam and Discussion**  
**9:00 Break**  
**9:15 S-3 Crystallization, Process and Systems**  
by Chris Rhoten  
**10:30 Break**  
**10:45 S-3 Crystallization, Process and Systems**  
by Chris Rhoten  
**Noon Lunch**  
**1:00 S-3 Crystallization, Process and Systems**  
by Chris Rhoten  
**2:15 Break**  
**2:30 S-3 Crystallization, Process and Systems**  
by Chris Rhoten  
**4:00 Break**  
**4:15 Future Factory Project**  
**4:30 End**

**Friday, July 14**

**8:00 S-3 Exam and Discussion**  
**9:00 Break**  
**9:15 S-4 Centrifugals and Their Operations**  
by Ray Bode  
**10:30 Break**  
**10:45 S-4 Centrifugals and Their Operations**  
by Ray Bode  
**Noon Lunch**  
**1:00 S-5 The Control Laboratory by Rich Reisig**  
**2:30 Break**  
**2:45 S-5 The Control Laboratory by Rich Reisig**  
**4:00 Break**  
**4:15 Future Factory Project**  
**4:30 End**

**Saturday, July 15**

No Events Scheduled

**Sunday, July 16**

No Events Scheduled

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## Sugar End – 2023 Second Week Schedule

### Monday, July 17

**8:00** S-4 Exam and Discussion  
**8:40** S-5 Exam and Discussion  
**9:15** **Break**  
**9:30** S-7 Basic Control Systems by Brent Muehlberg  
**10:45** **Break**  
**11:00** S-7 Basic Control Systems by Brent Muehlberg  
**Noon** **Lunch**  
**1:00** S-7 Basic Control Systems by Brent Muehlberg  
**2:15** **Break**  
**2:45** S-7 Basic Control Systems by Brent Muehlberg  
**3:30** **Break**  
**4:45** **Future Factory Project**  
**4:00** **End**

### Tuesday, July 18

**8:00** S-7 Basic Control Systems by Brent Muehlberg  
**9:15** **Break**  
**9:30** S-7 Basic Control Systems by Brent Muehlberg  
**10:45** **Break**  
**11:00** S-7 Basic Control Systems by Brent Muehlberg  
**Noon** **Lunch**  
**1:00** S-8 Molasses Treatment Processes by Trent Holcomb  
**2:15** **Break**  
**2:30** S-8 Molasses Treatment Processes by Trent Holcomb  
**3:45** **Break**  
**4:00** **Future Factory Project**  
**4:15** **End**

### Wednesday, July 19

**8:00** **S-7 Exam and Discussion**  
**8:45** **S-8 Exam and Discussion**  
**9:30** **Break**  
**9:45** S-6 Fundamentals of Sucrose Recovery Optim by Nick Klein  
**10:45** **Break**  
**11:00** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**Noon** **Lunch**  
**1:00** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**2:15** **Break**  
**2:30** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**3:30** **Future Factory Project**  
**4:00** **End**

### Thursday, July 20

**8:00** S-6 Exam and Discussion  
**8:45** **Break**  
**9:00** S-9 Granulation, Packaging, Screening and Storage, by Kelly Malone  
**10:00** **Break**  
**10:15** S-9 Granulation, Packaging, Screening and Storage, by Kelly Malone  
**11:30** **Future Factory Project Prep/Completion**  
**Noon** **Lunch**  
**1:00** S-9 Granulation, Packaging, Screening and Storage, by Kelly Malone  
**2:45** **Break**  
**3:00** **Future Factory Project - PRESENTATIONS**  
**4:30** **End**  
**6:00** **Graduation Dinner**

### Friday, July 21

**7:00** S-9 Exam and Discussion  
**7:45** **Break**  
**8:00** S-10 Sugar Quality and Food Safety by Kelly Malone  
**9:30** **Break**  
**9:45** S-10 Sugar Quality and Food Safety by Kelly Malone  
**11:00** **End of 2023 Sugar End Session**  
**Clean up and pack up class materials**