

Syllabus Spring 2023

CRN 10127 NFS 154: Principles of Food Technology Lab, 1.0 Credits

CRN 10128 NFS 154: Principles of Food Technology Lab, 1.0 Credits

Modality, Meeting Pattern, Location:

This is an in person lab.

The lab meets once per week for 75 minutes.

(CRN 10144 T 10:05-11:20)

(CRN 10145 (T 1:15-2:30)

The location of the lab is 257 Marsh Life Sciences Building

Instructors Contact Information:

Professor: Dr. Todd Pritchard (aka “Dr. Todd”)

Office: 352 Marsh Life Sciences

Telephone: 656-0135

Email: Todd.Pritchard@uvm.edu

Office Hours: By Appointment. Send Email with request for meeting and we will find a time to converse via a Team video conference.

Teaching Assistants:

To Be Determined

Prerequisites:

Concurrent with NFS 153

General Education:

This course is a requirement for all NFS students enrolled in the Dept. of Nutrition and Food Sciences, Food Science Track

Course Description:

This lab is a course on the evaluation of foods, production of food products as well as an introduction to the evaluation of foods for microbial count and keeping quality.

Course Objectives:

Upon completion of the course, students should be able to:

- 1) Identify how processing factors inhibit or promote microbial growth and/or food spoilage
- 2) Produce three food products (root beer, Kombucha and dilly beans)
- 3) Identify unit operations used in the production and storage of foods

Modality Description/Outline:

This course is a practical experience in which students will actively participate in the production of

foods as well as food analysis.

The course will utilize Blackboard as a means of presenting materials, including videos, pre-lab questions as well as the questions for preparing and submitting lab reports.

Required Materials:

There is no required book for the course. Students will be required to visit Blackboard site to obtain procedures and lab report questions relevant to this course.

Required Platforms and Software:

The course will require students to have a Blackboard account as well as MS Team. Students are expected to turn in materials via their UVM Email account and may need to have programs such as those capable of opening or saving word documents, excel files and Power Point presentations.

Attendance Policy and Classroom Expectations:

Attendance is requirement of your semester grade. Since this is a time sensitive lab students should not expect to have the lab set up in the event they miss the lab.

Students are allowed to miss one lab as long as they also forfeit points related to the pre-lab quiz and the lab report write up associated with the missed lab.

“The [Green and Gold Promise](#) clearly articulates the expectations that UVM has for students, faculty, and staff to remain compliant with all COVID-19 recommendations from the federal CDC, the State of Vermont, and the City of Burlington. This include following all rules regarding facial coverings and social distancing when attending class. If you do not follow these guidelines, I will ask you to leave the class. If you forget your mask, you cannot enter the class and should go back and retrieve your mask. [The Code of Student Conduct](#) outlines policies related to violations of the Green and Gold Promise. Sanctions for violations include fines, educational sanctions, parent notification, probation, and suspension.”

Students who must quarantine and/or isolate due to COVID-19 concerns will be exempt from the in lab portion of an experiment. They will however, be expected to complete the pre-lab quizzes as well as write up the lab report questions for those labs during which they are required to be out of lab.

Students will receive training on lab safety as well as good laboratory practices and are expected to utilize them at all times in the lab space.

Grading Criteria:

Students will have 12 lab experiences each of which are eligible for upwards of 40 points.

Students will have one lab grade dropped. When dropping a lab all points associated with the lab will be removed when determining their final semester grade. This includes the pre-lab quiz points, the participation points and the write up points. NOTE: It must all be the exact same lab.

The breakdown of the points for each lab experience is as follows:

Up to 10 points for successfully completing pre-lab quizzes on time

Up to 5 points for actually being in the lab and performing the lab experiment

Up to 25 points for successful completion of lab report questions and handing them in on time.

Students are expected to review their materials before turning them in to assure they utilize correct grammar, spelling is correct as well as being complete. Items submitted for evaluation should be of a professional level that is indicative of a college education.

Failure to turn in items on time will result in a loss of points. Students will be penalized 15% for the first 24 hours an item is late, 30% for items between 24 hours 1 minute and 48 hours late. No items over 48 hours late will be accepted for grading and will result in a “0” grade for that portion of points (i.e. failure to submit pre-lab quiz within 48 hrs of when it is due will result in 0 points for the 10 points related to the pre-lab work but the other 30 points can still be obtained).

End of semester grades will be obtained by adding up the points associated with your 11 best labs and dividing this number by 440 (i.e. $11 \times 40 = 440$).

There is no scaling or rounding of averages when determining end of the semester grades.

Averages will be calculated to the third decimal point and used to determine the grade using the scale noted below.

A+	=	97 or greater
A	=	93.0 to 96.9X
A-	=	90.0 to 92.9X
B+	=	87.0 to 89.9X
B	=	83.0 to 86.9X
B-	=	80.0 to 82.9X
C+	=	77.0 to 79.9X
C	=	73.0 to 76.9X
“C-“	=	70.0 to 72.9X
D+	=	67.0 to 69.9X
D	=	63.0 to 66.9X
D-	=	60.0 to 62.9X
F	=	Less and 60.0

Recording Class Sessions:

“Our class sessions may/will be audio-visually recorded for students in the class to refer back to, and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a

profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the chat feature, which allows students to type questions and comments live.”

Course Evaluations:

All students are expected to complete an evaluation of the course at its conclusion. The evaluations will be anonymous and confidential, and that the information gained, including constructive criticisms, will be used to improve the course.

I do not see the evaluations until upwards to a month after courses are completed.

Intellectual Property Statement/Prohibition on Sharing Academic Materials:

Students are prohibited from publicly sharing or selling academic materials that they did not author (for example: class syllabus, outlines or class presentations authored by the professor, practice questions, text from the textbook or other copyrighted class materials, etc.); and students are prohibited from sharing assessments (for example homework or a take-home examination). Violations will be handled under UVM’s Intellectual Property policy and Code of Academic Integrity.

Tips for Success:

- Checklist for success in <https://learn.uvm.edu/about/support-for-students/checklist-online-credit-courses/>
- Academic support for online courses: <https://www.uvm.edu/academicsuccess/online-learning-student-resources-remote-instruction>
- 30-minute webinar on online learning success (Mar 2020): https://www.youtube.com/watch?v=Xp_MYsqQyvE

Helpful resources other than the professor (e.g., [Undergraduate/Graduate Writing Center](#), [Supplemental Instruction](#), [Learning Co-op tutors](#), supplemental course materials)

Student Learning Accommodations:

In keeping with University policy, any student with a documented disability interested in utilizing ADA accommodations should contact Student Accessibility Services (SAS), the office of Disability Services on campus for students. SAS works with students and faculty in an interactive process to explore

reasonable and appropriate accommodations, which are communicated to faculty in an accommodation letter. All students are strongly recommended to discuss with their faculty the accommodations they plan to use in each course. Faculty who receive Letters of Accommodation with Disability Related Flexible accommodations will need to fill out the Disability Related Flexibility Agreement. Any questions from faculty or students on the agreement should be directed to the SAS specialist who is indicated on the letter.

Contact SAS:

A170 Living/Learning Center;

802-656-7753

access@uvm.edu

www.uvm.edu/access

Important UVM Policies

Religious Holidays:

Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time.

<https://www.uvm.edu/registrar/religious-holidays>

Academic Integrity:

The policy addresses plagiarism, fabrication, collusion, and cheating.

<https://www.uvm.edu/policies/student/acadintegrity.pdf>

Grade Appeals:

If you would like to contest a grade, please follow the procedures outlined in this policy:

<https://www.uvm.edu/policies/student/gradeappeals.pdf>

Grading:

For information on grading and GPA calculation, go to <https://www.uvm.edu/registrar/grades>

Code of Student Conduct:

<http://www.uvm.edu/policies/student/studentcode.pdf>

FERPA Rights Disclosure:

The purpose of this policy is to communicate the rights of students regarding access to, and privacy of their student educational records as provided for in the Family Educational Rights and Privacy Act (FERPA) of 1974.

<http://catalogue.uvm.edu/undergraduate/academicinfo/ferparightsdisclosure/>

Promoting Health & Safety:

Center for Health and Wellbeing:

<https://www.uvm.edu/health>

Counseling & Psychiatry Services (CAPS)

Phone: (802) 656-3340

C.A.R.E. If you are concerned about a UVM community member or are concerned about a specific event, we encourage you to contact the Dean of Students Office (802-656-3380). If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at <https://www.uvm.edu/studentaffairs>

Final Exam Policy:

The University final exam policy outlines expectations during final exams and explains timing and process of examination period. <https://www.uvm.edu/registrar/final-exams>

Alcohol and Cannabis Statement:

The Division of Student Affairs has offered the following statement on alcohol and cannabis use **that faculty may choose to include, or modify for inclusion**, in their syllabus or Blackboard site:

Statement on Alcohol and Cannabis in the Academic Environment

As a faculty member, I want you to get the most you can out of this course. You play a crucial role in your education and in your readiness to learn and fully engage with the course material. It is important to note that alcohol and cannabis have no place in an academic environment. They can seriously impair your ability to learn and retain information not only in the moment you may be using, but up to 48 hours or more afterwards. In addition, alcohol and cannabis can:

- Cause issues with attention, memory and concentration
- Negatively impact the quality of how information is processed and ultimately stored
- Affect sleep patterns, which interferes with long-term memory formation

It is my expectation that you will do everything you can to optimize your learning and to fully participate in this course.