HNFE 5204 TRANSLATIONAL SCIENCE IN HUMAN NUTRITION, FOODS, AND EXERCISE

Spring 2018

Dr. Madlyn Frisard

# Contact Information

email: frisardm@vt.edu

Phone: 540-231-9994

Office: 338 Wallace Hall – Blacksburg Campus

Course Description: Principles and practice of translational science research as it relates to human health and chronic disease. Overview of basic science research, preclinical and clinical intervention development, and community and public health practice in relation to human nutrition, foods, and exercise. Principles of scientific inquiry from a team-based approach. Scientific team development and generation of interdisciplinary and translational research questions. Pre: Graduate Standing (4H, 4C)

Course Objectives**:** Upon completion of this course, students should be able to:

1. Analyze the fundamental scientific principles of translational research within the disciplines of nutrition, foods, and exercise.
2. Examine research approaches to health-related problems that utilize molecular/ cellular, clinical/ applied, and community strategies.
3. Apply interdisciplinary and translational research approaches to develop solutions for chronic health problems related to nutrition, foods, and exercise.
4. Analyze the factors that facilitate or inhibit developing and maintaining a strong scientific team.
5. Use strategies to enhance group decision-making and cope with conflict in scientific teams.

Assessment: Complete descriptions and instructions for completing assessments will be provided when assignment is made. Dates for assignment of assessment and due dates for assessment completion will be indicated on the course schedule.

**40% - Quizzes** through Canvas. These quizzes will be used at the beginning of each week to assess student understanding of that week’s assigned readings, videos, lectures, etc.

40% - Weekly Assignments. Students are expected to integrate material from the readings, lecture materials, videos, etc., and discussions to address contemporary problems in HNFE using interdisciplinary and translational research approaches covered in the course.

**20% - Participation.** In addition, to the graded quizzes and assignments, students are expected to participate in other activities, discussions, etc., as part of the modules.

A 93-100%

A- 90-92.99%

B+ 87-89.99%

B 83-86.99%

B- 80-82.99%

C+ 77-79.99%

C 73-76.99%

C- 70-72.99

60- 62% D-

less than 60% F

Texts: **“**The only book required for this course is the Five Dysfunctions of a Team” by Patrick Lencioni.

Materials:All additional materials for this course will be provided online as needed.

Technology: Students in this course will need a working and reliable computer and Internet access that will allow the use of Scholar course site tools, WebEx and any online resources provided. No special software is required but students will need access to MSOffice products.

Course Structure:This course will be taught online in Canvas. Our Canvas will be available on the first day of our first class.

This course will be structured in weekly lessons beginning on Monday of each week at 5:00 PM. Interaction within the lesson will take place from Monday at 5:00 p.m. to the following Monday at 5:00 PM unless indicated otherwise in the course schedule. All work within the lesson must be completed by the close of each lesson and prior to the start of the next lesson.

Some work may span more than one lesson and some activity within a lesson may need to be completed early for additional response or interaction. All due dates for completion will be indicated in the course schedule.

This course will be conducted as a learning community.According to Pallof & Pratt (1999), the key elements to the creation of a learning community are honesty, responsiveness, relevance, respect, openness, and empowerment. These will serve as the guides for our community. Therefore, students participating in this course are asked to be ***open*** to all perspectives and ***empowered*** to be ***hones***t in their ***timely responses*** to all questions, conversations, and discussions in a manner that is ***respectful*** and remains ***relevant*** to the topic or topics under discussion.

*Palloff, R. M., & Pratt, K. (1999). Building learning communities in cyberspace. San Francisco, CA: Jossey-Bass Inc., Publishers.*

Participation:Participants in this course should expect to spend about **10-12 hours per week** involved in the activities and completion of assignments over the semester. This is similar to the time one would invest in a course in a traditional classroom setting. This time invested is an average with some weeks requiring more, some less time to complete all assignments and activities. Participation will be evaluated as the completion of all activities assigned within a one-week class during that class week. Tracking of activity completion for each student will be compared to 100% completion to arrive at participation grade points.

Absences: Failure to participate for one full week constitutes an absence in one class in this online course. One unexcused absence will result in lowering of grade by 10 points. Two unexcused absences will result in a failing grade for the course. Extensions on due dates for weekly activities must be made for an excused absence. Students must notify professor of need for excused absence by second day of inactivity and prior to due date for activities or assignments or absence will be considered unexcused.

If circumstances prevent participation or timely completion, students must contact the professor to arrange for adjustments in assignment or schedule **in advance of due date and not after completion date has passed.**

File-Naming Structure: To fully participate in this course and to ensure files are not missed or misplaced, participants are asked to follow the file-naming and submission process indicated in instructions for each activity and/or assignment. Refusal to accept submission may result should this file-naming requirement not be met.

# The file-naming structure for this course is:

LastnamefirstinitialHNFE5204assignmentnameSP18

Ex: FrisardmHNFE5204AssignmentOneSP18.doc

In addition to adherence to due dates and time frame for completion of activities and assignments, participation includes contributions to discussions (online or in person) as stated in the guidelines for our course as well as adherence to all stated expectations in the **Expectations** document to be provided at the start of our course.

Honor Code:We will be bound by the Graduate Honor Code. Please visit the [Graduate School Honor System’s webpage](http://ghs.graduateschool.vt.edu) for specific information regarding expectations and policies related to the Graduate Honor Code.

# Course Support:

Technical**:**  The professor for this course does not provide technical support. Requests for technical support and/or Scholar support can be directed to 4Help by calling (540) 231-HELP (4357)

WebEx orientation is provided by professor, but support can be accessed at online through [Virginia Tech’s WebEx site](http://blogs.lt.vt.edu/webex).

Classroom Accessibility: Any student who has been confirmed by the University as having course accommodations must notify me as soon as possible, preferably during the first week of the course. For more information please go to the [Services for Students with Disabilities website](http://www.ssd.vt.edu/).

Academic Support Services: Any student requiring academic support should investigate the [University’s services provided by the Academic Affairs office](http://www.undergraduate.vt.edu/about/aca-supp/index.html).

For complete information on student services at Virginia Tech, please visit the [website for the Division of Student Affairs](http://www.dsa.vt.edu/students.php).