

Course Syllabus

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The JMU Fueled Project

James Madison University, Spring 2017

JMU X-Labs, Lakeview Hall, Room 1150, Mondays 2:00-4:30

BIO 426. Topics in Biology. 3 credits, Section 0005, Class Number 16591

ISAT 480. Topics in Integrated Science & Technology, 3 credits, Section 0005, Class Number 17289

Instructors:	Dr. Mark Gabriele	Dr. Morgan Benton
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Office Hours:	T 2:00-3:30, W 9:30-11:00	TBD

NATURE OF COURSE CONTENT: *Fueled* is a collaborative student-run food truck initiative designed to promote health, sustainability, and holistic living. Its vision includes outreach activities, bringing locally-sourced foods to JMU while stimulating businesses in the surrounding community. Cross-disciplinary student teams will work together on innovative projects directly applicable to *Fueled*. Creative development and implementation of team concepts will focus on: industrial and environmental design, nutrition/health promotion, mind-body awareness, graphic design, marketing, campus/K-12 education, and community engagement.

GOALS OF THE COURSE: A team of interdisciplinary faculty and invited guests will guide student-focused course activities in the X-Labs, a space designed to encourage active learning, innovation, and design creativity. The JMU *Fueled* Project and its associated course offering aim to engage students with ideas that directly promote health and sustainability both locally and globally. Its influence on the JMU campus and surrounding community, as well as its tangible course outcomes will be assessed accordingly, providing the framework for a model to be shared nationally with other universities. Through participation in course activities students can expect to:

- Develop collaborative skills through interactions with students and faculty of diverse backgrounds, as well as with JMU-affiliated partnerships and the greater Harrisonburg community.
- Apply practical problem-solving skills to address real world problems
- Interface with conscientious growers and producers to increase emphasis on local sourcing, sustainable practices, and development of environmentally friendly products
- Design and implement novel ideas or technologies that further the JMU *Fueled*
- Evaluate and assess viability, broader impact, and limitations of course deliverables
- Cultivate an awareness for how innovative ideas can stimulate a mutual respect for serving each other and an appreciation for our interconnectedness

- Be mindful of the profound influences food, nutrition, and attitude have on the mind and body, and develop creative ways to share and inspire healthy lifestyle choices

COURSE REQUIREMENTS/TEXT REQUIREMENT: There is no required text for this course. Readings of relevant literature will be assigned periodically and expected of all students. Defined team projects and ongoing class discussions will guide the progression of readings throughout the semester, with special emphasis on design innovation, troubleshooting, and potential new directions.

METHOD OF EVALUATION:

- Attendance/Participation
- Attitude toward learning and collaborative spirit
- Team project
- Project presentation and feasibility of implementation
- Research and literature review
- Peer evaluations
- Self-reflection

* Percent weighting to be determined by the class during the first week

Grading:		A	93 – 100	A-	90 - 92.99
B+	87 - 89.99	B	83 - 86.99	B-	80 - 82.99
C+	77 - 79.9	C	73 - 76.99	C-	70 - 72.99
D+	67 - 69.99	D	63 - 66.99	D-	60 - 62.99
F	<60				

ATTENDANCE: Attendance is mandatory. Known absences should be discussed with instructors two weeks in advance.

PARTICIPATION: Participation is part of the course grade. There are no mechanisms for making-up participation concerning unexcused in-class activities.

HONOR SYSTEM: All students are expected to be familiar with and to abide by the University Honor Code at JMU. A complete description of the University Honor System can be found at <http://www.jmu.edu/honor/code.html> (<http://www.jmu.edu/honor/code.html>). Most notably, students will display an appreciation for the ethics of scientific discovery and accurate representation of data, as well as the rules and guidelines concerning what constitutes plagiarism. Policies for academic honesty and plagiarism can be found here: <http://www.jmu.edu/syllabus/> (<http://www.jmu.edu/syllabus/>).

ADDING/DROPPING CLASSES: Policies for adding and dropping classes can be found here: <http://www.jmu.edu/syllabus/> (<http://www.jmu.edu/syllabus/>) .

OFFICE OF DISABILITY SERVICES: Mission statement: James Madison University is committed to the full and total inclusion of all individuals and to the principle of individual rights and responsibilities. To this end, policies and procedures will ensure that persons with a disability will not, on the basis of that disability, be denied full and equal access to and enjoyment of academic and co-curricular programs or activities or otherwise be subjected to discrimination under programs or activities offered by the University. This policy was developed to ensure equal access at the University for individuals with disabilities and to ensure full compliance with all pertinent federal and state legislation.

It is the student's responsibility to provide documentation from the Office of Disability Services to the lecture instructor to ensure that appropriate arrangements are made.

Policies for disability accommodations can be found here: <http://www.jmu.edu/syllabus/> (<http://www.jmu.edu/syllabus/>) .

INCLEMENT WEATHER POLICIES: Any scheduled meetings will follow University closings due to inclement weather/emergencies according to Policy 1309-<http://www.jmu.edu/JMUpolicy/1309.shtml> or here: <http://www.jmu.edu/syllabus/> (<http://www.jmu.edu/syllabus/>) .

RELIGIOUS OBSERVATION ACCOMMODATIONS: Reasonable and appropriate accommodations will be given to students requesting them on grounds of religious observation. The faculty member determines what accommodations are appropriate. Students should notify the faculty by no later than the end of the Drop-Add period the first week of the semester of potential scheduling conflicts and determine with the instructor if mutually acceptable alternative methods exist for completing the missed time, lab or activity. Policies for religious observation accommodations can be found here: <http://www.jmu.edu/syllabus/> (<http://www.jmu.edu/syllabus/>) .

Tentative Schedule / Course Topics

- WEEK 1:** Introduction to *Fueled*, its vision. (Guest: Amanda Presgraves, Founder)
The *Fueled* truck. Current state of affairs (Guests: Aramark representative)
Icebreaker activity, Team Formation
- WEEK 2:** MLK Day
- WEEK 3:** Begin ideation. Open brainstorming session. Research.

WEEK 4:	Continued ideation and design formulation (Guest: Joel Salatin, Pollyface Farms, Founder) Symbiotic, multi-speciated synergistic models and yields vs. industrial models
WEEK 5:	Local sourcing, sustainable practices, environmental design
WEEK 6:	Collaborative work on team projects
WEEK 7:	Collaborative work on team projects
WEEK 8:	Mind-body connection and the influence of food. The Gut-Brain dynamic
WEEK 9:	SPRING BREAK – NO CLASS
WEEK 10:	Collaborative work on team projects
WEEK 11:	Collaborative work on team projects
WEEK 12:	Assessing <i>Fueled's</i> impact on JMU and surrounding community
WEEK 13:	Packaging, communicating, and marketing the <i>Fueled</i> product/experience
WEEK 14:	Collaborative work on team projects
WEEK 15:	Team presentations
WEEK 15:	Final: Feedback on realized projects and critiques for moving forward. Fueled event showcasing project designs

Course Summary:

Date

Details

