

BCBT 100 – Welcome!

Class organization, logistics



Dr. Bodwin Info

Dr. Bodwin

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www.drbodwin.com/teaching

D2L Brightspace

@DrBodwin (twitter)



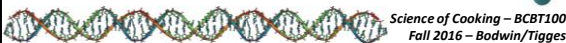
Philosophy of Class

LASC 3 with Lab

Employ a scientific approach to food, flavor, and cooking

Lab/Experiential activities

NOT a cooking class, a science class about food and cooking



Grading

- D2L quizzes
- Lab assignments
- Participation in D2L discussions
- Exams



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Fall 2016 – Bodwin/Tigges

Course Information

- Come to class
- D2L
<http://www.drbodwin.com/teaching/bcbt100.php>
- Blog <http://scienceofcooking100.blogspot.com/>
- Twitter @DrBodwin #ChemKitchen
- Office Hours (check schedule)



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What will we cover?

- “Matter and its changes”
- Food molecules
- Cooking methods
- Food production
- Experiencing food



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Food Categories

Animal-based Foods
Dairy, eggs, cheese, meat

Plant-based Foods
Fruit, veg, seeds, "other"



Cooking/Preparation

Heating methods

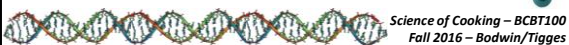
Other methods

Growing/raising food



What is "science"?

Curiosity
Organization
Data
Relationships



The Scientific Method

- Observe something
- Ask a question
- Predict an answer
- Test your prediction
- Repeat, repeat, repeat



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Doing “Good” Science

- It’s not random
- Testable prediction
- Statements not questions
- 1 variable at a time
- Reflective




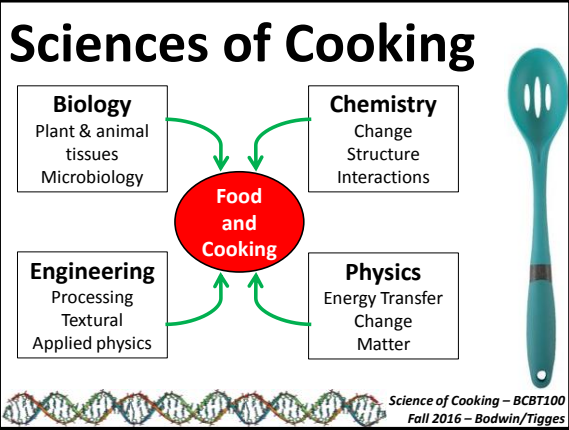
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What is “cooking”?

- Preparation of food & drink
- Understanding flavors
- Exploring combinations
- Experiencing textures



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Using recipes

More than a list of ingredients
Process matters
What's happening on a molecular level?
How can a recipe be changed?

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In-Class Assignment

Name, DragonID

What did you have for breakfast?

On the back, list the 3 topics you are most interested in discussing in class.
Type of food, cooking technique, science topic, etc.

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