E-learning: best practices





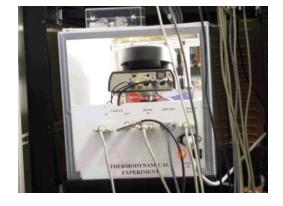
Gerhard Schleining

University of Natural Resources and Life Sciences, Vienna Department of Food Science and Technology

E-learning

E-Learning: "use all kinds of electronic/digital media"

- Electronic white boards
- Youtube channels
- Virtual labs
- Serious games
- •



Limits for experiments: equipment, costs, space, safety

Online courses

Online courses

- using Learning and Content Management Systems (LCMS), like moodle
- Selfstudy / Moderated / Blended learning



Online courses

+	-
Learning independent from	Engagement is difficult
location and time	missing body language
	 missing social contacts

What must be done to fail

- Do not specify user require
- No strategy but trial and en
- No communication with use
- Wrong technology
- No commitment of top mar
- Do not care about I in ROI (i
- Cheating when planning of

•



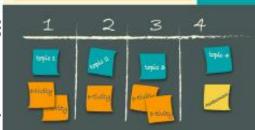
CARPE

6 steps towards future-orientated, student-centered LEARNING.

1 BLUEPRINT

Work with your team to lay out the mission statement for your course and work out what you want to achieve.





2 STORYBOARD

Make a visual representation of your learning, teaching and assessments. Use it to work out your schedule and how things fit together. Use the five stage made! as a scattoid.

3 BUILD YOUR PROTOTYPE

Build your design in the online environment. Develop your e-tivities and test them in a real and practical way.



4 REALITY CHECK

Have your calleagues test your design and callect the feedback. Test out other participants designs.





6 PLAN YOUR NEXT STEPS

Assess the risks involved with being oble to complete the course. tak yourself what resources you are going to need and set clear deadlines!

https://www.gillysalmon.com/carpe-diem.html

Layout: clear structure and description



e-learning

Home Courses European FooD-Study & Training Alliance Entrepreneurship in the Food Industry (50 h)

NAVIGATION

Home

- My home
- ISEKI-Food E-learning
- My profile
- Current course
 - Entrepreneurship in the Food Industry (50 h)
 - Participants
 - Badges
 - INTRODUCTION
 - 1. Entrepreneurial Goals & Context
 - 2. Recognising Opportunities
 - 3. Developing Ventures
 - 4. Finding Resources
 - REFERENCES

 - ASSESSMENT
 - ▶ FEEDBACK
- My courses

Grades

Badges

Courses

ADMINISTRATION Course administration Turn editing on Edit settings Lisers T Filters Reports



Entrepreneurship in the Food Industry

This module will enable you to develop entrepreneurial skills and attitudes by focusing on the practices and process of entrepreneurship, including opportunity recognition, people and markets, finance, intellectual property and innovation.



Announcements



General discussion forum

if you have any question to trainers or other participants, please post it here

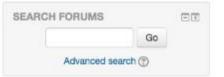
INTRODUCTION



The interactive nature of the online resources in this module will help you to develop key entrepreneurial skills such as collaboration, creative thinking, and problem solving. Asynchronous learning will be supported by online discussions and assessment guidance to check progress.

This module will be primarily structured around the 'Opportunity Business Model' unpacking

Turn editing on



Learning Outcomes

After successful completion of the activity, the participants are able to:

Appreciate the commercial drivers for innovation and product development within the food industry

CD Understand how to identify, contextualise and communicate opportunities

Q Analyse their own entrepreneurial skills and appreciate how to further develop these as part of their ongoing personal development

ONLINE USERS

(last 10 minutes) None

田田

Motivating Layout

Best Storage and Transportation Practices



Short presentation on: Best Storage and Transportation Practices 3.5MB PDF document



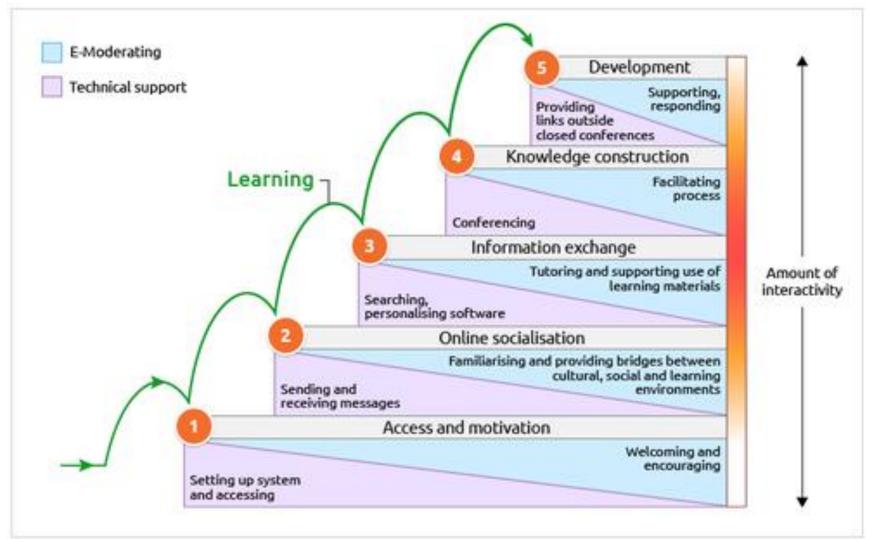


Layout: attractive elements



E-moderating

The essential role is promoting human interaction and communication



https://www.gillysalmon.com/e-moderating.html

E-tivities



Professor Gilly Salmon is Academic Director at Online Education Services (OES, http://www.oes.com) in the UK and has been a learning innovator for more than 30 years and is one of the world's leading thinkers in digital and blended learning.

- The key for Active Online Learning
- at least for 2 people working and learning together, online, not at the same place
- Needs to be designed in advance

Socializing

General

754.323 Validation of Cleaning Processes and Hygienic Design (3 ECTS)





do not hesitate to ask questions, there are no silly questions

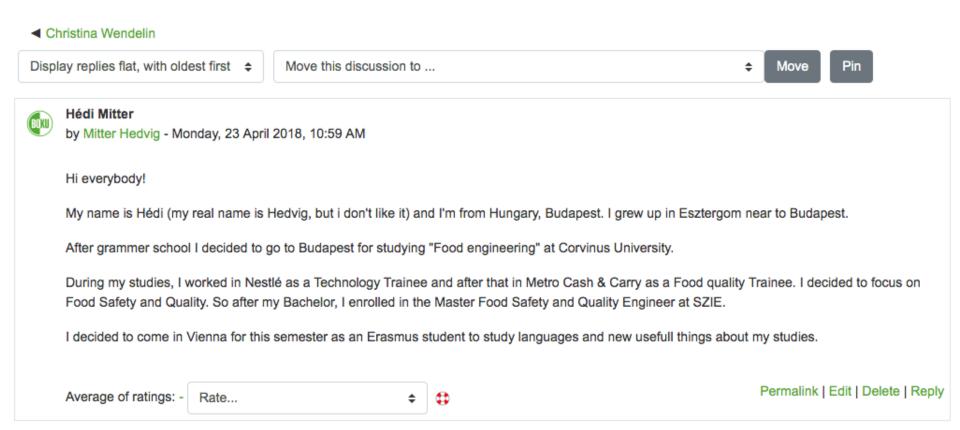
INTRODUCTION



Please add your name to a group

Introduction of participants Hédi Mitter





Socializing: Group building

General

754.323 Validation of Cleaning Proces



announcements



FREQUENTLY ASKED QUESTIONS

do not hesitate to ask questions, there are no silly questions

INTRODUCTION



Organisation

1.7MB



Introduction of participants



Group building

Please add your name to a group

Group building

Please add your name to a group S)

View Edit Comments History

First Page

Group1 - Building evaluation (Picture 6)

- 1. Lise BRAY
- 2. Aurore AHLSELL DE TOULZA
- 3. Julie JANSON
- 4. Hilde KEMME

Group 2

- 1. Isa BERGDAHL
- 2. Jan LANDZETTEL
- Sylvain Merheb
- 4. Marianne Dahle
- John Osamwonyi

Group 3

- Ingeborg Ertesvag
- 2. Riccarda Chiappani
- 3. Rebecca Knechtl
- 4. Margot Tillon

Interactive individual task: ask and answer questions

HYGIENIC DESIGN

- Food Safety and Hygienic Design
 - machinery directive
 - EHEDG Doc.8: Hygienic Equipment Design Criteria (2018)
 - INDIVIDUAL TASK: FS & Hygienic Design: Question/Answer

INDIVIDUAL TASK: FS & Hygienic Design: Question/Ar

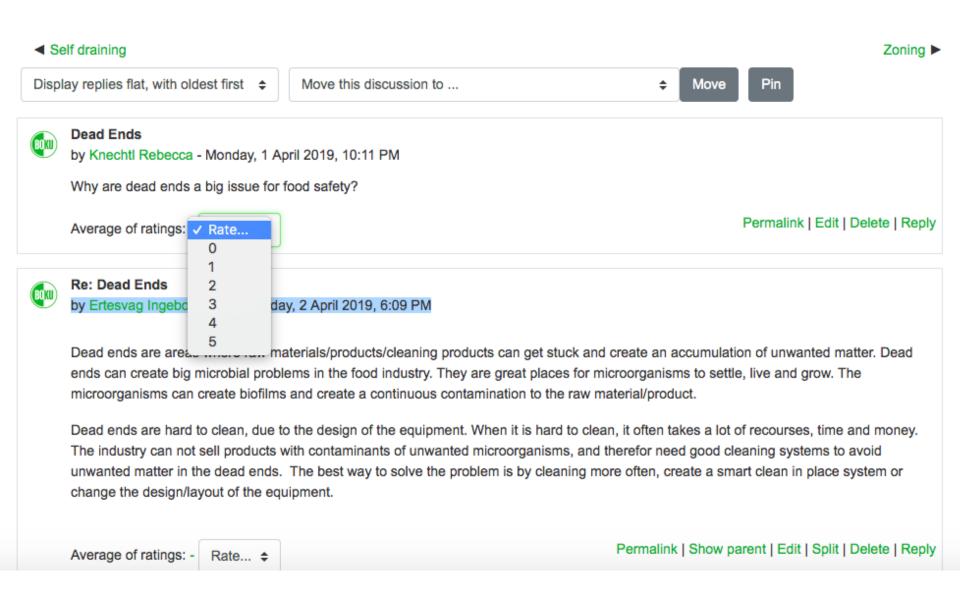
- Ask a question about Food Safety and Hygienic Design
- 2. Answer a question from somebody else

Add a new discussion topic

Discussion	Started by	Replies
HACCP	Merheb Sylvain	1
Legal requirements	Tillon Margot Nirina Marie	1
Indirect product contact surface	Bergdahl Isa Katariina	1
GMP & GAP	Chiappani Riccarda	1

INDIVIDUAL TASK: FS & Hygienic Design: Question/Answer Dead Ends





Interactive individual task

HYGIENIC DESIGN

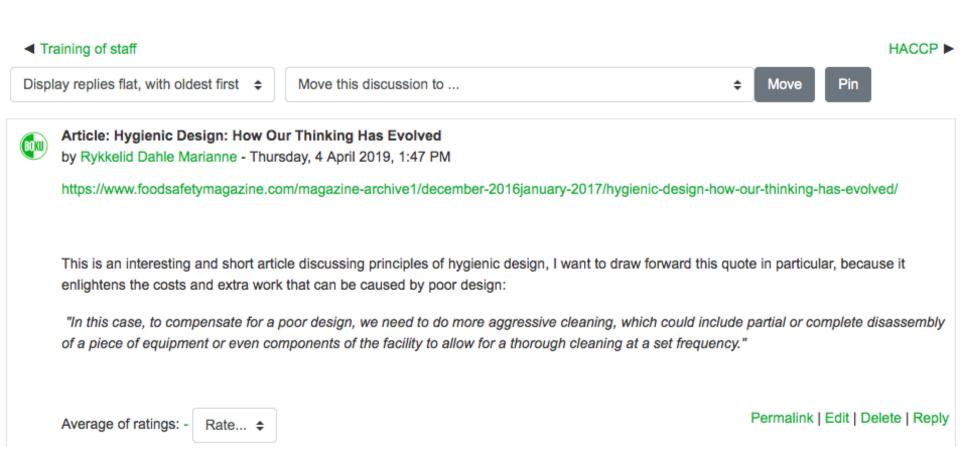


- machinery directive
- EHEDG Doc.8: Hygienic Equipment Design Criteria (2018)
- INDIVIDUAL TASK: FS & Hygienic Design: Question/Answer
- INDIVIDUAL TASK Hygienic Design: I know something

INDIVIDUAL TASK Hygienic Design: I know something

Article: Hygienic Design: How Our Thinking Has Evolved





Interactive individual task

INDIVIDUAL TASK: Equipment evaluation

- 1.Select an equipment from (1)
- 2.fill in the number of the picture and your name in the list of already selected equipment (2)
- 3.evaluate equipment:
- · What is good, why is it good
- · What is wrong, how can it be improved

4.upload a powerpoint presentation showing weaknesses and strenghts and suggestions for improvements

Add a new discussion topic

Discussion	Started by	Replies	Last post
Image 5	Merheb Sylvain	0	Merheb Sylvain 🔘
			Sun, 7 Apr 2019, 7:23 PM
00010	Kemme Hilde Annebeth	0	Kemme Hilde Annebeth 💮
			Sun, 7 Apr 2019, 5:21 PM
00013	Tillon Margot Nirina Marie	0	Tillon Margot Nirina Marie 🔘
			Sat, 6 Apr 2019, 5:21 PM
Picture 00004	Ahlsell de Toulza Aurore	0	Ahlsell de Toulza Aurore
			0 1 0 1 0010 10 00 011

Interactive offline group task







make a brainstorming on your picture answering the following questions:

- 1. what is good, why is it good
- 2. what is bad, how can it be improved

Task Building design

make a brainstorming on your picture answering the following questions:

- 1. what is good, why is it good
- 2. what is bad, how can it be improved





3

Interactive offline group task

BAD & IMPROVEMENT 🕡 🔆





- Open process can cause contamination : Lid cover cleanable
- Cables mounting are not easy to clean, accumulation of dust/product : Covered by lid or take away of the production line in a vertical grid in one-layer
- Pipes installation above process, horizontal and long can cause contamination from dust: Avoid piping installation above the production line, vertical and short, and can be separated in another room



Offline group activity

FACTORY VISIT

GROUPTASK: make pictures of

- a) good solutions, explain why
- b) hygienic risks, explain why, suggest improvements
- c) upload results as powerpoint



Factory visit



safety instructions pilot plant



upload reports here



Offline group activity





Task 8: Factory visit

- · food processar
- stauline juriet vecom jobsom heated)
- 3 material drives for disperser and ourface scraper
- Can be closed
- totatup
- **Emploon**



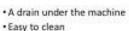
Material

3









· Easy to clean Safe disposal





No read redu in the resole





FEEDBACK and QUALITY ASSURANCE



write a letter to the students of the next year

"What you should know for a successful participition"



letters to students from previous years

write a letter to the st



write a letter to the teacher

"What you should know for a successful p

"What you should consider when giving the course next year"

View Edit Comments Hi



letters to teachers from previous years

sion

First Page

Dear students,

here you will find some infos and tips in case you are planning to take this course.

During this classes you will get a good overview about hygienic design related to food safety in all its aspects: you will learn about the equipment but also the building design and the cleaning and validation. At the end you will be able to recognize easily both good and bad solutions and make suggestions for implementations.

You have to be careful in your semester planning because, even though this course is classified as normal lecture, the attendance is mandatory and you will have to take some time to work on some individual and some group tasks!! The tasks are not difficult and especially the group tasks are interesting, because they let you discuss about the lecture topics and gather ideas in small groups, so that you can make new acquaintances and exchange some knowledge.

Rating of engagement of team members



Beurteilung der Mitarbeit der Gruppenmitglieder

Beurteilung der Mitarbeit der Gruppenmitglieder

Beurteilen Sie die Mitarbeit ihrer Gruppenmitglieder:

Schreiben Sie die Familiennamen und daneben eine Zahl von 1-5

1..sehr enagiert

5..mangeInde Mitarbeit

(jede(r) hat sein eigenes WIKI und kann die WIKIS der anderen nicht sehen)

View

Edit

Comments

History

Map

Files

Administration

First Page

Knechtl: 1

Kogler: 1

Leitner: 2

Aly Mohamed Adel Ahmed
Baumgartner Sarah
Berger Philip
Ceccarelli Flavio
Daurer Andrea
Gruber Christina
Gruber Magdalena
Gruber Philipp
Haider Elisabeth
Huemer Jakob
Kienzl Bettina
Knechtl Rebecca
Knöbl Christoph Franz
Kogler Maximilian
Kohl Teresa

User: ✓ Kremser Vanessa

Krottenthaler Anna Lanner Bernhard Franz

Leitner Michael

Nemec Alexandra

Prielinger Lukas Regner Markus

Roitinger Eva

Schelling Joane

Schindler Roman

Schleining Gerhard

Stocker Thomas

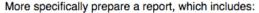
Stöbich Lena Katharina

Clear Assement Criteria

1.3 OBM Assessment contribution

As part of your assessment for this module, you are required to submit an **Opportunity Business Model** report (max 1,800 words).

This assessment is designed to increase your experience of new venture creation. You will have the opportunity to research a novel food product that would appeal to investors who specialise in the food industry. The purpose of this assignment is to create a number of potential new business ideas for this product and to express the best idea as an opportunity business model (OBM). Please note you should demonstrate depth of research by including references in your submission document.



- · Title and contents
- Executive summary
- Description of
 - (a) the business idea (food product or service selected)
 - (b) the external driver(s) that are creating the opportunity
 - (c) and how these support your new business idea
- Opportunity business model of your new business idea
 - o Proposition, People, Place, Process, Profit
- Launch marketing strategy for your new business idea in the context of its industry and market;
- References.

Assessment criteria

The OBM report will be assessed on the basis of:

- Evidence of structure & planning, including introduction and conclusion (10%)
- Depth and breadth of analysis of the idea under investigation (40%)
- Appropriateness and relevance of conclusions and recommendations (30)
- Written presentation and appropriateness of language/relevance to audience (20%)

TASK

By the end of lesson 1, you should be developing your research into drivers of change in the food industry in preparation for spotting your opportunity for a new food product. You might want to access market reports, industry publication and news stories, as well as journal papers, for this task.



Self evaluation: Quiz

Best Harvesting Techniques











- Short presentation on: Best Harvesting Techniques 2.2MB PDF document
- Essay on: Best Harvesting Techniques 4.1MB PDF document
- Self evaluation on: Best Harvesting Techniques

Starte	ed on	Tuesday, 22 January 2019, 9:02 AM	
	State	Finished	
Complete	ed on	Tuesday, 22 January 2019, 9:03 AM	
Time t	Time taken 1 min 15 secs		
Grade 4.00 out		4.00 out of 10.00 (40%)	
Question 1 Incorrect Mark 0.00 out of 1.00 Flag question Edit question	Sele	ct one: a. Selection of mature fruits b. Identification of the maturity of fruits c. Proper storage of fruits d. Detaching of the fruits from tree	
	Your	answer is incorrect.	
	The	correct answer is: Proper storage of fruits	
Question 2		ch of the following cannot be considered as one of the main principles of harvesting?	
Mark 0.00 out of		Select one:	
1.00		a. Crops destined for storage should be as free as possible from skin breaks, bruises, spots, rots, decay and other deterioration	
Flag question		b. Manual harvesting should be applied instead of mechanical harvesting	
Edit question	0	c. Harvest should be completed during the coolest time of the day 🗙	
	0	d. The produce has to be harvested and handled gently	
	Your	answer is incorrect.	
	The	correct answer is: Manual harvesting should be applied instead of mechanical harvesting	

Thank you for your Attention

