



K-FORCE TRAINING VISIT AT DTU - March 12-23, 2018 WEEKLY PLAN AND DAILY AGENDA*

Weekly Plan - Week 12 (12th -16th March) + Week 13 (19th - 23rd March) 1

	DTU speaker	Guest speaker/activity	Self-study	Break/Social activity	Free time
	D10 Speaker	ouest speaker, delivity	Jen study	S. Cuty Social activity	Tree time
TU Training			Week 11		
Visit	12-mar	13-mar	14-mar	15-mar	16-mar
Early morning (8-10)	Welcome / Intro	MSc Courses	Material and Structural Lab	11367 Probabilistic modeling in civil	Section breakfast
Late morning	MSC and BSc Education at DTU (JHN, PG, LBP)	(KHZ, SEBT, LUGI) MiB Education at DTU and MiB Courses	Tour (118, 119) MSc Theses - Experimental	engineering - (127/013) Lecture on Reliability of technical components and systems (SEBT)	Pedagogical Training 11022 Fire Dynamics (127/013) - Lecture o pressure profile and
(10-12)	Teach. facil. tour (117,127)	(LSS, FRAM, LUGI)	(LUGI, students - 119, 122)		ventilation flow (LSS
unch break					
Early afternoon (13-15)	Tour of the department	MSc Theses - BIM/structure (LUGI, students)	Visit to VR Lab (118)	Workshop on fire modeling (LUGI, FRAM, guests)	SOCIAL EVENT
(13-13)	Teaching and research in				
Late	WBC (presentations from	Introduction to lab			
afternoon	our guests)	experiments (FRAM)	Preparation for workshop		
(15-17)		Test for lab clearance and preparation	·		
TU Training			Week 12		
Visit	19-mar	20-mar	Week 12 21-mar	22-mar	23-mar
J	19-mar	20-mar		22-mar	23-mar
Visit				22-mar Msc in Artek and Archit.Eng. (GUNKI, CHRIR)	23-mar Section breakfast
Visit Early morning (8-10) Late	19-mar Preparation on labexperiment	20-mar Preparation on labexperiment	21-mar Self-study on 11B13 lecture 11B13 Course - (101/502)	Msc in Artek and Archit.Eng.	Section breakfast
Visit Early morning (8-10)	Preparation on lab-	Preparation on lab-	21-mar Self-study on 11B13 lecture	Msc in Artek and Archit.Eng. (GUNKI, CHRIR)	Section breakfast Discussion on course development
Visit Early morning (8-10) Late morning	Preparation on lab-	Preparation on lab-	21-mar Self-study on 11B13 lecture 11B13 Course - (101/502) Performace-based fire	Msc in Artek and Archit.Eng. (GUNKI, CHRIR) Presentations on	Section breakfast Discussion on course
Early morning (8-10) Late morning (10-12) Lunch break	Preparation on lab- experiment	Preparation on lab-	21-mar Self-study on 11B13 lecture 11B13 Course - (101/502) Performace-based fire	Msc in Artek and Archit.Eng. (GUNKI, CHRIR) Presentations on	Section breakfast Discussion on course development
Early morning (8-10) Late morning (10-12) unch break	Preparation on lab-	Preparation on lab-	21-mar Self-study on 11B13 lecture 11B13 Course - (101/502) Performace-based fire	Msc in Artek and Archit.Eng. (GUNKI, CHRIR) Presentations on lab-experiment	Section breakfast Discussion on course development

*CHANGES MAY OCCUR

¹All activities are located in DTU Campus in Lyngby. Meetings find place in room 018, at the ground floor of building 118, end of the left aisle. For group-work and self-study, you can use the desks in room 251, at the second floor of building 118, left aisle. Building 118 is located on Brovey 118 in northeast part (1st quadrant) of the Campus. Any different location (lab visit, attendance of lecture) is specified in the daily plan. Please refer to DTU Campus map for detailed info on the locations of the different buildings.





Daily Plan March 12th - Building 118, Room 018

09.00 - 10.00 Welcome and openings remarks

09.00 - 09.20 Opening note (program of the visit and short presentation round)

K-FORCE responsible at DTU – Luisa Giuliani

09.20 - 09.40 Welcome from Head of Section and overview of section activities

Head of Building Design section – Jan Karlshøj

09.40 - 10.00 Fire Group activity at DTU-BYG

Fire Group Representative – Luisa Giuliani

10.00 - 10.20 COFFEE BREAK (offered)

10.20 - 12.00 Education at DTU-BYG

10.20 - 10.40 BSc in Building Technology

Head of Study – Per Goltermann

10.40 - 11.0 MSc in Civil Engineering

Head of Study - Jens H. Nielsen

11.00 - 11.20 BEng in Architectural Engineering

Head of Study - Lotte Bjerregaard Jensen

11.20 - 11.45 Teaching lab in building 117 (Per Goltermann & Lotte B. Jensen)

11.45 - 12.00 Teaching resources in building 127 - (Luisa Giuliani)

12.00 - 13.00 LUNCH BREAK (canteen in building 101)²

13.00 - 14.00 Tour of the department

14.00 - 14.20 COFFEE BREAK (offered)

14.20 - 16.00 Teaching and research in WBC (Presentations from our guests)

14.20 - 14.40 Edisa Nukic - University of Tuzla (UNTZ), Bosnia and Herzegovina

14.40 -15.00 Mladen Slijepcevic – University of Banja Luka (UNIBL), Bosnia and Herzegovina

²Activities in grey are not part of the plan and considered as free time. You can use all DTU canteens at guest price. The two closest canteen are the student canteen and the faculty club canteen, respectively located at the ground and first floor of building 101. Building 101 lies at the center of DTU quadrants on Anker Engelunds Vej. Please refer to DTU Campus map for details.





15.00 - 15.20 Candidate from University of Novi Sad (UNS), Serbia

15.20 - 15.40 Candidate from Technical School of Professional Studies in Novi Sad (VTSNS), Serbia

15.40 - 16.00 Enea Mustafaraj – Epoka University (EPOKA), Tirana, Albania

Day 2 - March 13th - DTU, Lyngby, Brovej, Building 118, Room 018

09.00 - 10.00 MSc Courses at DTU-BYG

09.00 - 09.20 11050 Superlight structures

Course Responsible – Kristian Hertz

09.20 - 09.40 11367 Probabilistic modeling in civil engineering

Course Responsible - Sebastian Thoens

09.40 - 10.00 11080 Advanced Building Design

Co-Teacher – Luisa Giuliani

10.00 - 10.20 COFFEE BREAK (offered)

10.20 - 12.00 MiB Courses at DTU-BYG

10.20 - 10.35 MiB Education

Head of Study - Lars Schiøtt Sørensen

10.35 - 11.00 11B25 (11022) Fire Dynamics

11B13 (11020) Performance based fire design

Head of Study and course responsible - Lars Schiøtt Sørensen

11.00 - 11.20 11B12 CAD Fire

Course Responsible – Luisa Giuliani

11.20 - 11.40 11B01 (11023) Structural Fire Safety

Co-Teacher – Luisa Giuliani

11.40 - 12.00 11B05 Fire Risk Management

Course Responsible – Frank Markert

12.00 - 13.00 LUNCH BREAK





13.00 - 15.00 Supervision activity for MSc students

13.00 - 14.00 $\,$ MSc Thesis project on BIM/Structure integration

Guest researcher - Lorenzo Beltrami

14.00 - 15.00 MSc Thesis project on BIM/Fire Integration

MSc students – Thomas Dyr and Mikkel Andersen

15.00 - 15.20 COFFEE BREAK (offered)

15.20 - 17.00 Introduction to lab project

15.20 - 16.20 Introduction to lab-experiments

16.20 - 17.00 Preparation and test for lab clearance

Day 3 - March 14th - DTU, Lyngby, Brovej, Building 118, 119, 122³

09.00 - 10.00 Lab Tour

09.00 - 09.30 Visit of the Material Lab (Building 118, first floor, right aisle)

Representative of the Material Group – Ebba Schnell

09.30 - 10.00 Visit of the Material Lab (Building 119)

Responsible of the Structural Lab - Michael Andreassen

10.00 - 12.00 Supervision activity for MSc students

10.00 - 11.00 MSc Thesis Project on concrete strength degradation in fire (Structural Lab, Building 119)

MSc students – Rafael Al-Mubaraki and Jeppe Rein Boese

11.00 - 12.00 MSc Thesis Project on resistance of window glass panes in fire (Fire Lab, Building 122)

MSc students - Khalil Yehia Ahmad and Talib Javed

12.00 - 13.00 LUNCH BREAK

13.00 - 15.00 Digital Learning

Visit of the VR Lab (Building 118, first floor, right aisle)

Teaching Assistant at DTU – Andrei Cornel Danet

³The material lab is at the ground floor of building 118 (right aisle). The structural lab is at the ground floor of building 119, which is located on Nordvej north of building 118. The fire lab (building 122) is in the open area with small houses accessible by an open gate just in front of Building 119 on Nordvej. The VR Lab is located in building 118, room 247. Please refer to DTU map for more detailed information on the location.





15.00 - 16.00 Self-study

Preparation for workshop on fire modeling

Day 4 - March 15th - DTU, Lyngby, Brovej, Building 118 and 127⁴

08.00 - 12.00 Course attendance

11367 Probabilistic Modeling in Civil engineering (Building 127, Room 013)

08.00 - 10.00 Lecture on Reliability of technical components and systems (SEBT)

Course Responsible - Sebastian Thoens

10.00 - 12.00 Tutorial on the lecture (individual study or group-work)

12.00 - 13.00 LUNCH BREAK

13.00 - 16.00 Workshop on fire modeling

13.00 - 14.00 MSc projects on fire spread modeling in FDS

Project supervisor - Luisa Giuliani

14.00 - 15.00 Modeling and validation issues in CFD and FEM models.

Luisa Giuliani, Lars Schiøtt Sørensen and WBC guests

Day 5 - March 16th - DTU, Lyngby, Brovej, Building 118, 127, 101

09.00 - 09.30 SECTION BREAKFAST (offered)

09.30 - 10.00 Education in University Teaching at DTU

Introduction to DTU Pedagogical Training (UDTU)

Educational consultant - Pernille Hammar Anderson

⁴The teaching buildings 116, 117, and 118 are located just outside building 118. Building 127 is the new building with a yellow steel façade in front of building 118. The MiB lectures are instead hold at DTU Meeting Center, which is located at the ground floor of building 101, between entrance A and B. Please refer to DTU Campus map for details.





10.00 - 12.00 Course attendance

11022 Fire Dynamics - Lecture on pressure profile and ventilation flow (Building 127, Room 013)

Course Responsible – Lars Schiøtt Sørensen

12.00 - 17.00 SOCIAL EVENT

Day 6 - March 19th - DTU, Lyngby, Brovej, Building 118 and 101

09.00 - 12.00 Self-study

Preparation on lab-experiments

12.00 - 13.00 LUNCH BREAK

13.00 - 16.00 Course attendance

11B05 Fire Risk Management (Building 101, Room S02)

Course Responsible – Frank Markert

Day 7 - March 20th - DTU, Lyngby, Brovej, Building 118 and 101

09.00 - 12.00 Self-study

Preparation on lab-experiments

12.00 - 13.00 LUNCH BREAK

13.00 - 16.00 Laboratory-based teaching

Development and execution of lab experiments for a course in Fire Dynamics (Fire Lab in Building 122)

Head of the Fire Lab – Frank Markert

Day 8 - March 21st - DTU, Lyngby, Brovej, Building 118 and 122

09.00 - 12.00 MiB course attendance

09.00 - 10.00 Self-study on the topic of lecture 11B13





10.00 -12.00 11B13 Performance-based fire design (Building 101, Room S02)

Lecture on evacuation and toxicity

Course Responsible - Anne Dederichs

12.00 - 13.00 LUNCH BREAK

13.00 - 16.00 Self-study

Prepare presentation on lab-experiments

Day 9 - March 22nd - DTU, Lyngby, Brovej, Building 118 and 101

09.00 - 10.00 Other MSc education lines at DTU

09.00 - 09.30 Nordic Master in Cold Climate Engineering

Head of study - Gunvor M. Kirkelund

09.30 - 10.00 MSc in Architectural Engineering

Head of study – Christian Rønne

10.00 - 10.20 COFFEE BREAK (offered)

10.20 - 12.00 Laboratory-based teaching

Presentation on fire lab experiments from WBC guests

10.20 - 10.40 Edisa Nukic - University of Tuzla (UNTZ), Bosnia and Herzegovina

10.40 -11.00 Mladen Slijepcevic - University of Banja Luka (UNIBL), Bosnia and Herzegovina

11.00 - 11.20 Candidate from University of Novi Sad (UNS), Serbia

11.20 - 11.40 Candidate from Technical School of Professional Studies in Novi Sad (VTSNS), Serbia

11.40 - 12.00 Enea Mustafaraj – Epoka University (EPOKA), Tirana, Albania

12.00 - 13.00 LUNCH BREAK (offered)

13.00 - 16.00 MiB course attendance

13.00 - 14.00 Self-study on the topic of lecture 11B27





14.00 - 16.00 11B27 Fire Safety of complex buildings (Building 101, Room S02)

Lecture on Fire risk identification in buildings and plan of a fire strategy

Course lecturer - Sune Nygaard

Day 10 - March 23rd - DTU, Lyngby, Brovej, Building 118

09.00 - 10.00 SECTION BREAKFAST (offered)

10.00 - 11.00 Workshop on MSc teaching

Courses: Type of teaching, lecture duration and structure, exercises, exam, and teaching feedback

Projects: Project description, frequency and duration of supervising session, exam and censorship

Education: Difference and challenges in MSc and LLL education

11.00 - 12.00 Wrap-up and evaluation of the training visit