

Organization of lessons

Lesson	Date	Content	Teacher
1	17.9.	organization	Šmarda, Damborský
2	24.9.	lectures and video	Damborský
3	1.10.	lectures and video	Damborský
4	8.10.	lectures and video	Damborský
5	15.10.	lectures and video	Damborský
6	22.10.	lectures and video	Damborský
7	29.10.	lectures and video	Damborský
8	5.11.	lectures and video	Šmarda
9	12.11.	lectures and video	Šmarda
10	19.11.	lectures and video	Šmarda
11	26.11.	lectures and video	Šmarda
12	3.12.	lectures, election, discussion	Šmarda, Damborský

Articles PDF one week ahead of lecture for approval to teacher, who will distribute it to all student
no reviews, recommended are broad authorship journals (Nature, Science, PNAS)

Lectures **15-25 min**, use Powerpoint, start with introduction of author and group
include broader introduction of field - recommended to use other information sources for
optional is inclusion "Words of the Day"

Discussion read study material on how to prepare and present a lecture BEFORE preparing your talk
without limits, questions: chair + 2 students + teacher + all

Evaluation after every presentation: 1 student + all + teacher
points: 1-3, clarity, formal side, performance, "Words of the Day"

at the end of semester - anonymous voting of the Speaker of the Year

Video at the end of the lesson **~10 min** per video, discussion or evaluation all

Absences maximum **two** per semester for credits; apologies by e-mail or phone (in advance)

Introduction each student - name, field of study, research interests

s,

intro

Tedious
Sloppy
Beggar
Creep
Potty
Witch
Pillow
Wise guy
Dope
Groovy
Smash
Snuff
The heck
Intoxication

Screwdriver
Lullaby
Lucid
Delirium
Rubbish
Peculiar
Wallflower
Grass widower
Crapflooding
Spam
Teetotaler
Yummy
Pimp
Seductive
Rule of thumb
Crapulence
Vendetta
Collywobbles
Stoned
Nighmare
Brain drain
Mighty
Abibliophobia
Lousy
Magic
Vicious circle
Namby-pamby

too long, slow, or dull: tiresome or monotonous

1. containing too much liquid, 2. careless and unsystematic, 3. weakly or foolishly sentimental

a person, typically homeless one who lives by asking for money or food

to move slowly and carefully, especially in order to avoid being heard or noticed

a bowl used by small children as a toilet

a woman thought to have evil magic powers

a bag stuffed with feathers used to support the head when lying or sleeping

a person who speaks and behaves as if he/she knows more than others

1. a drug taken illegally for recreational purposes, especially heroin, 2. a stupid person

1. inclined to follow a fixed routine, 2. highly stimulating or attractive (slang)

to break to pieces with violence and often with a crashing sound

to draw in through the nose by inhaling

expression used for emphasis in questions and exclamations („what the heck do you think you are?“)

1. poisoning: the physiological state produced by a poison or other toxic substance, 2, drunkenness: a excessive consumption of alcohol, 3. excitement and elation beyond the bounds of sobriety

1. a tool with a flattened or cross-shaped tip that fits into the head of a screw to turn it, 2. a cocktail made

a quiet, gentle song sung to send a child to sleep

expressed clearly, easy to understand

a state of being unable to think or speak clearly because of fever or mental confusion

1. waste material, 2. material that is considered unimportant or valueless

strange or odd, unusual

a person who has no one to dance with or who feels excluded at the party

1. a man who is divorced or separated from his wife, a man whose wife is temporarily absent

the practice of disrupting online media

the use of electronic messaging systems to send unsolicited bulk messages indiscriminately

one who practices total abstinence from alcoholic liquor

delicious, highly attractive and desirable

a man who controls prostitutes and arranges clients for them, taking a percentage of their earnings in return

tempting and attractive

principle with broad application that is not intended to be strictly accurate

discomfort from eating or drinking too much

a bitter, destructive feud, normally between two families, clans or fractions, in which each injury is revenge
butterflies in the stomach

1. under the influence of drugs, 2. very drunk

a very upsetting or frightening dream; an extremely unpleasant event or experience or possible event or ex

when large numbers of educated and very skilled people leave their own country to live and work in another

possessing great and impressive power or strength

fear of running out of things to read

very poor or bad, disgusting, ill

the power of apparently influencing the course of events by using mysterious or supernatural forces

a complex of events that reinforces itself through a feedback loop

weak, with no backbone

temporary state resulting from
from vodka and orange juice

'n

d; a blood feud

perience
er one where pay and conditions are better

Schedule

	Lecture	Chair	Evaluation	Words of the Day
Beránková, Kristina	24.9.		3.12.	tedious, sloppy, beggar, creep
Botka, Tibor	24.9.	3.12.		tedious, sloppy, beggar, creep
Bretzová, Soňa	19.11.	22.10.		crapulence, vendetta, collywobbles, stoned
Buryška, Tomáš	1.10.		26.11.	potty, witch, pillow, wise guy
Cayuela Sanchez, German	1.10.	26.11.		potty, witch, pillow, wise guy
Danadová, Jitka	8.10.		19.11.	dope, groovy, smash, snuff
Fathima, Stanley Rosarin	8.10.	19.11.		dope, groovy, smash, snuff
Hrazdilová, Ivana	15.10.			sturdy, nap, the heck, intoxication
Hrubá, Nikola	22.10.			screwdriver, lullaby, lucid, delirium
Iliev, Robert	26.11.			let's keep the fact straight, rubbish, peculiar, wallflower
Jian Bagherpoor, Alireza	15.10.		12.11.	sturdy, nap, the heck, intoxication
Kabáthová, Eva	22.10.		5.11.	screwdriver, lullaby, lucid, delirium
Krejčí, Adam	15.10.	12.11.		sturdy, nap, the heck, intoxication
Kufová, Zuzana	22.10.	5.11.		screwdriver, lullaby, lucid, delirium
Machytková, Martina	5.11.		29.10.	let's keep the fact straight, rubbish, peculiar, wallflower
MLčochová, Hana	29.10.	29.10.		let's keep the fact straight, rubbish, peculiar, wallflower
Nehybová, Tereza	5.11.			grass widover, crapflooding, spam, teetotaler
Palencia, Martinez Eduardo	12.11.			yummy, pimp, seductive, rule of thumb
Pížová, Kristýna	12.11.		15.10.	yummy, pimp, seductive, rule of thumb
Sochorová, Jana	19.11.		22.10.	grass widover, crapflooding, spam, teetotaler
Suchánková, Jana	12.11.	15.10.		yummy, pimp, seductive, rule of thumb
Šalingová, Barbara	26.11.			nightmare, brain drain, mighty, abibliophobia
Šarmírová, Klaudia	5.11.		8.10.	grass widover, crapflooding, spam, teetotaler
Šebestová, Hana	19.11.	8.10.		crapulence, vendetta, collywobbles, stoned
Šrámek, Martin	26.11.		1.10.	nightmare, brain drain, mighty, abibliophobia
Vrábel, Dávid	3.12.		24.9.	lousy, magic, vicious circle, namby-pamby
Wandrolová, Aneta	3.12.	24.9.		lousy, magic, vicious circle, namby-pamby
Zahradníková, Martina	26.11.	1.10.		nightmare, brain drain, mighty, abibliophobia

Presence BD122

	17.9.	24.9.	1.10.	8.10.	15.10.	22.10.
Beránková, Kristina	P					
Botka, Tibor	P					
Bretzová Soňa	A					
Buryška Tomáš	A					
Cayuela Sanchez German	P					
Danadová Jitka	P					
Dulavová Eva	A					
Fathima Stanley Rosarin	A					
Hrazdilová Ivana	P					
Hrubá Nikola	P					
Iliev Robert	P					
Jian Bagherpoor Alireza	P					
Kabáthová Eva	P					
Krejčí Adam	P					
Kufová Zuzana	P					
Machytková Martina	A					
Mlčochová Hana	P					
Nehybová Tereza	P					
Palencia Martinez Eduardo	P					
Pížová Kristýna	P					
Sochorová Jana	P					
Suchánková Jana	P					
Šalingová Barbara	P					
Šarmírová Klaudia	P					
Šebestová Hana	P					
Šrámek Martin	P					
Tokan Viktor	A					
Vrábel Dávid	P					
Wandrolová Aneta	P					
Zahradníková Martina	P					

29.10.	5.11.	12.11.	19.11.	26.11.	3.12.	
						Beránková, Kristina
						Botka, Tibor
						Bretzová Soňa
						Buryška Tomáš
						Cayuela Sanchez German
						Danadová Jitka
						Dulavová Eva
						Fathima Stanley Rosarin
						Hrazdilová Ivana
						Hrubá Nikola
						Iliev Robert
						Jian Bagherpoor Alireza
						Kabáthová Eva
						Krejčí Adam
						Kufová Zuzana
						Machytková Martina
						Mlčochová Hana
						Nehybová Tereza
						Palencia Martinez Eduard
						Pížová Kristýna
						Sochorová Jana
						Suchánková Jana
						Šalingová Barbora
						Šarmírová Klaudia
						Šebestová Hana
						Šrámek Martin
						Tokan Viktor
						Vrábel Dávid
						Wandrolová Aneta
						Zahradníková Martina

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Theory for Lecture Preparation and Delivery

Topic

Suggestions for Effective Lecture Preparation and Delivery

Delivering a Lecture

Delivering an Effective Scientific Lecture

Delivering Effective Lectures

Lectures Preparing and Delivering

Writing and Delivering Lectures

How to Deliver a Winning Lecture

How to Create Engaging Lectures

Using Technology to Enhance Lectures

English Communication for Scientists

Web

<http://www1.umn.edu/ohr/teachlearn/resources/guides/effective/index.html>

<http://teaching.berkeley.edu/bgd/delivering.html>

<http://www.ascb.org/files/0602wicb.pdf>

http://www.reproline.jhu.edu/english/6read/6training/lecture/delivering_lecture.htm

<http://www.tuition.com.hk/lecture.htm>

http://www2.warwick.ac.uk/fac/cross_fac/ias/earlycareer/events/introdtoteaching/lectures/

<http://www.suite101.com/content/how-to-deliver-a-winning-lecture-a210718>

<http://www.suite101.com/content/how-to-create-engaging-lectures-a140767>

<http://www.suite101.com/content/using-technology--to-enhance-lectures-a210486>

<http://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993>

Videos

Lecturer and topic	Time	Source
5 Things Every Presenter Needs To Know About People	6 min	Vimeo
Steve Jobs - MacBokk Air	3 min	YOU Tube
Christopher deCharms - Inside the brain	4 min	TED
Richard St. John - Success is a continuous journey	4 min	TED
Carmine Gallo Academy Demo	5 min	Demo
Steven Jobs - Introduction of Mac Air	6 min	YOU Tube
Sean Gourley - Mathematics of war	7 min	TED
Theo Jansen - Creates new creatures	8 min	TED
Hans Rosling - Global population growth	10 min	TED
Hans Rosling - Religions and babies	14 min	TED
Craig Venter - Creating synthetic life	15 min	TED
Al Gore - Averting climate crisis	16 min	TED
James Cameron - Before Avatar ... a curious boy	17 min	TED
Craig Venter - Historical Announcement - Synthetic life	18 min	TED
Bonnie Bassler - How bacteria "talk"	18 min	TED
Anthony Atala - Growing new organs	18 min	TED
Hans Rosling - Let my dataset change your mindset	20 min	TED
Salman Khan - Let's use video to reinvent education	21 min	TED
Dan Gilbert - Why are we happy?	21 min	TED
Bill Gates - On mosquitos, malaria and education	21 min	TED
Larry Brilliant - Stop pandemics	25 min	TED
Peter Sorger - Computational and systems biology at MIT	28 min	MIT World
Lorey Hood - Systems biology	45 min	MIT World
Phillip A. Sharp - The RNAi revolution	57 min	MIT World
Andrew Endy - The implications of synthetic biology	64 min	MIT World
Stephen Quake - Biological large scale integration	65 min	MIT World
Nobel Lecture by Craig C. Mello - Return to the RNAi world	69 min	Nobel.org
Eric S. Lander - The Human Genome Project	71 min	MIT World
Randy Pausch - Achieving your childhood dreams	96 min	YOU Tube
Jak nemá vypadat přednáška na konferenci	5 min	YOU Tube

Web

<http://vimeo.com/44267609>

<https://www.youtube.com/watch?v=fodF05OMEUo>

http://www.ted.com/talks/christopher_decharms_scans_the_brain_in_real_time.html

http://www.ted.com/talks/richard_st_john_success_is_a_continuous_journey.html

<http://gallocommunications.com/videos/video-library/>

<https://www.youtube.com/watch?v=fodF05OMEUo>

http://www.ted.com/talks/sean_gourley_on_the_mathematics_of_war.html

http://www.ted.com/talks/theo_jansen_creates_new_creatures.html

http://www.ted.com/talks/hans_rosling_on_global_population_growth.html

http://www.ted.com/talks/hans_rosling_religions_and_babies.html

http://www.ted.com/talks/craig_venter_is_on_the_verge_of_creating_synthetic_life.html

http://www.ted.com/talks/al_gore_on_averting_climate_crisis.html

http://www.ted.com/talks/james_cameron_before_avatar_a_curious_boy.html

http://www.ted.com/talks/craig_venter_unveils_synthetic_life.html

http://www.ted.com/talks/bonnie_bassler_on_how_bacteria_communicate.html

http://www.ted.com/talks/anthony_atala_growing_organs_engineering_tissue.html

http://www.ted.com/talks/hans_rosling_at_state.html

http://www.ted.com/talks/salman_khan_let_s_use_video_to_reinvent_education.html

http://www.ted.com/talks/dan_gilbert_asks_why_are_we_happy.html

http://www.ted.com/talks/bill_gates_unplugged.html

http://www.ted.com/talks/larry_brilliant_wants_to_stop_pandemics.html

<http://mitworld.mit.edu/video/188>

<http://mitworld.mit.edu/video/183>

<http://mitworld.mit.edu/video/401>

<http://mitworld.mit.edu/video/363>

<http://mitworld.mit.edu/video/451>

<http://nobelprize.org/mediaplayer/index.php?id=87>

<http://mitworld.mit.edu/video/25>

http://www.youtube.com/watch?v=ji5_MqicxSo

<http://www.youtube.com/watch?v=EzfZuVsIQMk>

few text, good and bad guys

communication with audience in the opening - shake hands, excellent body language, slides simple, opening with question, slides - simple animations, illustrative, funny - fater car / prozac, motto: "Mo rule of three famous

excellent speaker

excellent speaker, interesting graphs, mnemotechnic tools with boxes

excellent gesture + facial gestures, makes jokes, changes in intonation
no science but interesting

mnemotechnic tools with boxes - illustrative + easy to remember, **Swedish accent**
body language, vido shot, jokes

communicates with audience - asks to repeat after him

lecture starts at 6:23

example of good lecturer - entertaining, communication bad news in positive manner

headlines, animations, examples (MATRIX - good to remember)
ney can not buy hapiness", same intonation all the time

Collection of Lectures

Source

HHMI Biointeractive

UCLA Society and Genetics

Nobel Prize Lectures

Nobel Prize Meeting Lindau Meeting

Web

<http://www.hhmi.org/biointeractive/>

<http://www.socgen.ucla.edu/PastSpeakers.html>

<http://nobelprize.org/mediaplayer/>

<http://www.lindau-nobel.org/LecturesOnline.AxCMS?ActiveID=1173>

Grand Finale

1. Election of the "Speaker of the Year" in category "Masters"
2. Rules of Thumb - last repetition
3. Chair duties - last repetition
4. Election of the "Speaker of the Year" in category "Apprentice"
5. *Break*
6. Discussion on the organization of the classes
7. Announcement of the best participants and credits
8. Announcement of the "Speaker of the Year"

names on blackboard, each video 2 min, votes
each student
each student
show points; anonymous voting