₹ Bo	lanced farming - Sustainability & Environment	No. of
SUBJECT	CONTENT / LESSON PLAN	lessons
	Farming before and now	
Balanced	Denmark, -from peasant to industry. Challenges and solutions	
farming-	Physical conditions, climate, soil, water	
J	Farming systems improving nutrient balance	
concept	• Fertilizing plans and optimizing application of nutrients (org./min.)	
	Calculating nutrient balance on farm (Livstock and crop)	I I I I I I I I I I I I I I I I I I I
	Elements and priorities	.⊑
	Sustainable farming - what does it mean/farming consequences	0 X
Sustainability	Sustainable pig farming	S
	Sustainable cattle farming. (Dairy / Beef)	one
	Sustainable Crop farming	\$
	Environmental impact from agriculture	ize
	Aquatic environment, Nitrate, organic substances etc.	E E
	• Air, - Ammonium, odeur, gases	ξ
	On farm environmental aspects to be considered/calculated	J Sr
Environment	Means to reduce/avoid environmental pollution from farms	anc
	Technical solutions and management approach	JUS .
	Code of Good Agricultural Practice (GAP)	grai
	Biodiversity and natural heritage in agriculture	joj
	EPI- Environmental Performance Index	는 왕 요
	Overall Energy potentials in agriculture	sto
_	• Wind & Sun	i.
Energy	Biomass - wood, straw, energy crops and various bi-products	유
	• Biogas	<u>`</u>
	Energy and net zero solutions	tec
	Ag-education and organizational initiatives	gra
	New ways of capacity-building in rural communities	nte
Socio-	Value chains, processing, branding and marketing	. <u></u>
economy	Rural development and making agriculture attractive	ual
	Living standards and meaningful life- Global Happiness Index	s n s
	• Family life conditions - Life style	are
	Can agriculture be leading life style trend-setter? Countain abla for type formain a	Subjects are usually integ
	Sustainable future farming Coat air able for the far department	bje
Sustainability	Sustainable future food production A principle was as a set of a plution to all the standard of a plution to a plu	Su
& the 17 UN	Agriculture as part of solution to climate changes. Description and research as a graph of the set day.	
	Resources and ressource management. UN Overshoot day Smart farming and data collection.	
SDG′s	Smart farming and data collection Sustainability management tools	
	Sustainability management tools Chaping the fitting shaping the farmer.	
	Shaping the future - shaping the farmer	



	Cattle - technical lecturing	No. of
SUBJECT	CONTENT/LESSON PLAN	lessons
Biology /	General biology / ethology	
Ethology	Natural behaviour vs. industrial production	6-8
Ethology	Animal welfare	
	Basic hygiene, bio security, health and disease control	
Bio Security	Housing / facilities	6-8
	Vaccine programs	
Barn and	Barn facilities	
Environment	How to make the best cow-environment	4-6
Livironinenc	Heifer specifics	
	Genetics in Denmark	
Reproduction	Reproduction strategy	
and Genetics	How to find/decide the best bulls	12-14
and defletics	• Utilities	
	Technology	
Transition	• From heifer to cow	
Phase	Dry-off period	4-6
Management	Startup after calving	
Management		
	Handling of the newborn calf	
The Growing	Growing up - heifer	
Calf	Growing up - bull	8-12
Cati	• Feeding.	
	Beef cattle	
Milking Parlor	• Routines	
Management	• Quality	4-6
	• Mastitis	
ГI	Feed strategy for all groups.	
Feed	• Compostition of feed	8-10
Management	• Feed storage	
	Good feeding procedures	
	• Strategy	4.40
Hoof Care	• Health	4-10
	Hoof trimming course	
In-house	• Milking	0.10
Technology	• Feeding	8-10
99	• 17	
Daily	Standard Operational Procedures	
Management	Work planning	6-8
	Key Performance Indicators (KPI) as a management tool	



ir II	Horses - technical lecturing	No. of
SUBJECT	CONTENT/LESSON PLAN	lessons
Horses historical	From wild to domestic animalEvolutionUse of horses	4-6
Housing and Handling	 General housing recommendations General approach (can include practical training) Safety issues during daily handling (can include practical training) 	2-4
Biology / Ethology / Welfare	 Instincts / senses Typical vs. atypical behaviour Animal welfare Basic motivation of the horse Horses as herd animals / ancestors and relatives / communication Body care 	10-12
Anatomy	 Skeleton, muscles, tendons and nerves Joints and hoofs Tissue and organs Circulation, blood and airways 	10-12
Reproduction	 The mare The stallion Mating / insemination Embryo transplantations Gestation Foaling Handling of the newborn / young foal 	10-16
Breeding	 Basic genetics Different breeds and breeding goals Qualitative vs. quantitative characteristics Breeding measures and pedigree 	8-10
Usage	 Foal Horsemanship Mustering Training vs. age Fitness Driving, dressage, racing, jumping etc. 	6-8
Health and Diseases	 General health / diseases When is the horse okay - when is it sick Age- and exterior assessment Parasites, prevention and treatment 	10-12
Feeding	 Digestive system Nutritional value and hygienic quality Commodities and supplements Basic physiological needs and planning Body condition Feed-related diseases Usage related feeding 	14-16



Ď	Horticulture - technical lecturing	No. of
SUBJECT	CONTENT/LESSON PLAN	lessons
Growth Systems	 General biology Extetensive vs. intensive plant production Introduction to Danish production 	2-4
Pruning and Trimming	 Introduction to pruning Growing-biology in fruit production Principles of framing and shaping trees 	4-8
Pollination and Budding	Biology af flowerbud buildingPollination and fruit setting	2-4
Leaf- and Fruit Quality	"Leaf outlet" vs fruit development and productionLeaf qualityFruit development	2-6
Harvest	 Harvest and picking time Picking and quality Storage	2-6
Soil Theory	Soil conditions for plantingWatering of trees through irrigation	2-4
Fertilizing	Start fertilizationLeaf fertilizationWater fertilization	4-12
Disease Prevention	 Integrated Pest Management (IPM) Common diseases in fruit production Biological control Pestcontrol 	4-12



ŤŤŤ	Management and Leadership - "soft skills"	No. of
SUBJECT	CONTENT/LESSON PLAN	lessons
	Various leadership categories and -theories	
	Creation of strategies	
Leadership	Relations - preconditions, creation and benefits	10-16
	General staff management	
	Self-management	
	Factors, internal and external	
Motivation	Various motivation theories (Maslow, Herzberg etc.)	8-12
Modvacion	Reward and punishment	0-12
	Needs and expectations	
	From fragile idea to solid implementable fact	
Implemen-	"Selling" ideas inside your own organization	8-12
tation	Enemies of implementation	0-12
	• S-M-A-R-T goals	
	Dissemination	
Communi-	Approach	
	Common platform	10-16
cation	Communicative skills/practicing	
	Body language	
	Preconditions for team synergy	
Teams and	Boss vs. Team Leader	6-12
Groups	Setting up team goals according vs. general goals	0-12
'	Using diversity as a strength	
	Development of the employee	
Situational	Commitment	10 14
Leadership	• Competences	10-14
'	Motivation	
	Implementation of LEAN as management tool	
	Board meetings	0.10
LEAN	Action plans	6-12
	Locating and reducing different waste-types	
	Strengths and weaknesses - knowing your own and other's	
Profiling /	DISC / DISC light and other tools	0.10
Personalities	Use of profiling in teams/groups	6-12
	Matching of personalities and job profiles	
	• Planning	
Meeting	Ensuring meetings are not a waste of time	
	Creating a secure/comfortable meeting atmosphere	4-6
technique	Be the one "in charge" of a meeting	
	• Agendas	



	Pigs - technical lecturing	No. of
SUBJECT	CONTENT/LESSON PLAN	lessons
Biology /	General biology / ethology	
	Natural behaviour vs. industrial production	6-8
Ethology	• Animal welfare	
	 Basic hygiene, bio security, health and disease control 	
	Housing / facilities	
Bio Security	• African Swine Fever (ASF)	8-12
	• Introduction to the Danish SPF system (Specific Pathogene Free)	
	Vaccine programs	
Cilt Davida	 Introduction to the Danish Breeding System 	
Gilt Develop-	 Homebreeding vs. buying in of replacement 	
ment unit	 How to produce a strong, long lasting gilt 	8-12
(GDU)	Heat control and syncronization	
	Feeding, standards and recommendations	
	 How to get the sow heating properly / heat check 	
	Mating-/artificial insemination (AI) routines	
Mating unit	Home colllection of semen / handling of semen	8-10
	Boar handling	
	Feeding, standards and recommendations	
	Returner- and pregnancy check	
Gestation unit	Body condition score	4-6
0.0000.0.0.	Housing / fixed stalls vs. loose group housing	
	Feeding, standards and recommendations	
	Pre-farrowing preparations	
	Farrowing, sow and piglets	
	Nursing of the newborn piglets, day 0-6	
Farrowing unit		8-12
	Nursing- and foster sows	
	Routines / sow and piglets	
	Feeding, standards and recommendations	
	Handling of weaners and finishers	
Growers	Housing / impact on production and daily management	6-10
	End products / "consumer" requests	
	Feeding, standards and recommendations	
Feed	Raw materials / commodities	4.0
Composition	Homemixed vs. compound feed	4-8
'	Dry vs. liquid feeding	
Recording /	Why is recording necessary? What do the purple are and reports tell up?	
	What do the numbers and reports tell us? You Dougla was a ladiagtors (KDI) as a wage agains and to all	8-12
Benchmarking	Key Performance Indicators (KPI) as a management tool Calutions Indicators (KPI) as a management tool	
	Solutions high- as well as low tech Standard Operational Proceedures	
Daily	Standard Operational Procedures Work planning	8-12
management	Work planning Patch production	6-12
5	Batch production	

