



Nr. _____ din _____

USAMV 0107030318

COURSE DESCRIPTION

1. General data

1.1. Higher Education Institution	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
1.2. Faculty	Veterinary Medicine
1.3. Department	Technical and soil sciences
1.4. Domain of study	Agronomy
1.5. level of study ¹⁾	Licence
1.6. Specialization/ Program of study	Environment Engineering
1.7. Form of teaching	IF

2. Characteristics of the course

2.1. Name of the course	VEHICLE DRIVING							
2.2. Course leader	Assistant lecturer phd.eng Valentin Dan Crisan							
2.3. Coordinator of the laboratory/seminars activity	Assistant lecturer phd.eng Valentin Dan Crisan							
2.4. Year of study	III	2.5. Semester	1	2.6. Type of Evaluation	Continuously	2.7. Course regime	Content ²	DC
							Level of compulsory ³	Dfa

3. Total estimated time (hours/semester for the teaching activities)

3.1. Number of hours/week- frequency form	2	of which care: 3.2. course	1	3.3. seminar/ laboratory/ project	1
3.4. Total hours in the teaching curricula	28	Of which: 3.5. course	14	3.6. seminar/laboratory	14
Distribution of time					hours
3.4.1. Study based on hand book, notes, bibliography					16
3.4.2. Extra documentation in the library, on specific electronic platforms and on field					4
3.4.3. Prepare the seminars / laboratories / projects, theme, essays, reports, portofolio					6
3.4.4. Tutorial					2
3.4.5. Examination					4
3.4.6. Other activities					
3.7. Total hours of individual study	32				
3.8. Total hours on semester	60				
3.9. Number of ECTS ⁴	2				

4. Pre-conditions (where is the case)

4.1. of curriculum	- Engines, tractor driving
4.2. of competences	The student must have knowledge of engine functioning and tractor driving skills

5. Conditions (where is the case)

5.1. of course development	The course is interactive, students can ask questions regarding the content of the exposure. Academic discipline imposes time start and end of the course. Any other activities are not allowed during the lecture, mobile phones are closed.
5.2. of seminar/laboratory/project development	Laboratory studies are required, both the laboratory and practical training on the vehicle. Academic discipline is imposed through the time of studies.



6. Specific competences gained

Professional competences	<p>To know the specific language for vehicle driving discipline</p> <p>To know the traffic rules</p> <p>To understand the functioning of an internal combustion engine</p> <p>To recognize the main components of a vehicle</p> <p>To know the construction and operation of a vehicle main mechanical systems</p>
Transversal competence	<p>To show concern to the acquisition of theoretical and practical knowledge in order to obtain driving license.</p>

7. Subject Objectives (as a result of the specific competences gained)

7.1. Subject general objective	To acquire theoretical and practical knowledge in order to obtain driving license for a category B, C, CE.
7.2. Specific objective	<p>To understand the road norms and traffic rules in order to travel on public roads</p> <p>To know the factors which influence the quality of a good driver</p> <p>Driving skills for various categories and perform various maneuvers</p>

8. Content

8.1.COURSE	Methods of teaching	Observations
<p>Number of hours – 14</p> <p>Road network. Means for directing traffic</p> <p>Mandatory technical requirements for vehicles</p>	Lectures	1 lecture
Obligations and prohibitions. Driving in intersections	Lectures	1 lecture
Passing priority. Overtaking vehicles	Lectures	1 lecture
Voluntary stopping and stationing .Return and reverse	Lectures	2 lecture
Vehicle registration, deregistration and driving license	Lectures	1 lecture
Traffic infringements and contraventions	Lectures	1 lecture
First aid	Lectures	1 lecture
8.2.PRACTICAL WORK		
<p>Number of hours – 28</p> <p>Knowledge of road signs, markings, traffic signals and traffic agent signs .</p> <p>Identifying useful informations in traffic, anticipating them, roads and environment, other drivers.</p> <p>Use of all vehicle controls, coordination and flow of maneuvers.</p> <p>Adapting speed to different traffic situations.</p> <p>Choosing lanes in intersections with directed and undirected traffic. Traffic circulation in case of trams.</p> <p>Overtaking. Rights and obligations. Technical manouvering, space needed to overtake other vehicles.</p> <p>Braking. Evaluation of stopping distances (space braking). The coefficient of adhesion.</p> <p>Driving in extreme conditions. Driving at night, fog and low grip conditions.</p>	<p>Recognising traffic signs</p> <p>Identification of useful traffic informations</p> <p>Knowing vehicle controls</p> <p>Driving</p> <p>Driving</p> <p>Driving</p> <p>Driving</p> <p>Driving</p>	<p>1 laboratory study</p> <p>1 laboratory study</p> <p>1 laboratory study</p> <p>2 laboratory study</p> <p>3 laboratory studies</p> <p>2 laboratory studies</p> <p>2 laboratory studies</p> <p>1 laboratory studies</p>



Traffic questionnaires. Solving them to promote driving license examination.	Driving	1 laboratory studies
<i>Compulsory bibliography:</i>		
1. Ordonanța de urgență nr. 195/12 decembrie 2002 privind circulația pe drumurile publice, completata prin OUG. Nr. 63/2006 și OUG. Nr. 69/2007		
2. Regulamentul de aplicare a ordonației de urgență a Guvernului nr. 195/2002 privind circulația pe drumurile publ		
<i>Facultative bibliography:</i>		
1. Drocas I. si colab. 1999 Baza energetica pentru agricultura Editura Risoprint, Cluj Nazpoca		
2. Naghiu Al., si colab. 2003 - Baza energetica		
3. Bataga N., si colab., 1995 – Motoare cu ardere interna		

9. Corroboration of the subject content with teh expectations of the epistemic communities' representatives,of the proffesional associations and representatives employers in the domain

In order to identify ways of modernization and continuous improvement of teaching and course content with the current issues and practical problems, teachers attend meetings where they meet specialists in mechanical and transport domain.

10. Evaluation

Type of activity	10.1. Evaluation criteria	10.2. Evaluation methods	10.3. Percent of the final grade
10.4. Course	Knowledge of traffic rules Knowing the observance and concrete implementation of traffic rules	2 Midterms	60%
10.5. Seminar/Laboratory	Knowledge of traffic rules and learning skills to drive a vehicle	2 Midterms	40%
10.6.Minimal standard of performance			
Mastering the information needed to obtain a driving license at an acceptable level. Obtaining the pass mark in midterms is a condition for graduation.			

¹ level of study – to be chosen one of the following – Bachelor /Post graduate/Doctoral

² Course regime (content)- for bachelor level it will be chosen one of the following - **DF** (fundamental subject), **DD** (subject in teh domain), **DS** (specific subject), **DC** (complementary subject).

³ Course regime (compulsory level)- to be chosen one of the following – **DI** (compulsory subject) **DO** (Optional subject) **DFac** (Facultative subject).

⁴ One ECTS is equivalent with 25-30 de hours of study (didactical and individual study).

Date of completion
04.09.2019

Assistant lecturer phd.eng Valentin Dan
Crisan

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Date of Department's
aproval
05.09.2019

Department manager
Assoc.profesor phd. Eng, Ovidiu Ranta