



COURSE: FORENSIC SCIENCES II		
DEGREE: BACHELOR'S DEGREE IN MANAGEMENT OF PUBLIC SECURITY	YEAR: 4th	TERM: 1st

WEEKLY PLANNING

WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT (*)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Introduction to Forensic Ballistic. Definition, function, distributions, classification, territorial distributions and aims of labs.	X				Personal Works focus on Forensic Ballistic	1.66	5.2
1	2	Internal Ballistic: definition, transformations of weapons, manipulated serial number. Experts' study of munitions of fire weapons. Practical cases.	X				Personal Works focus on Internal Ballistic	1.66	
2	3	External Ballistic: definition, objectives, basic fundamentals. Ocular inspection. Reconstruction of ballistic trajectory. Specific material of experts. Forensic infographic focus on Ballistic. Practical cases.	X				Personal Works focus on External Ballistic	1.66	5.2
2	4	Terminal Ballistic: definition, concepts, trauma in humans, morphology of wounds.	X				Personal Works focus on Terminal Ballistic	1.66	
3	5	Identification Ballistic: definition, fundamentals of ballistic comparison. Primary and secondary marks. IBIS system (Brasstrax and Bulletrax). Practical cases.	X				Personal Works focus on Identification Ballistic	1.66	5.2
3	6	Lab session: Ballistic. Analysis procedure of ballistic marks.		X			Resolution of an exercise	1.66	
4	7	Lab session: Ballistic. Analysis procedure of ballistic marks.		x			Resolution of an exercise	1.66	5.2
4	8	Lab session: Ballistic. Analysis procedure of ballistic marks.		x			Resolution of an exercise	1.66	
5	9	Introduction to Graphistics. Studies of papers and inks.	X				Personal Works focus on Graphistic	1.66	5.2
5	10	Basic skills of identification of author in handwriting and signatures. Types of falsifications. Sample collections. General and specific rules for ETA and Islamic terrorism.	X				Personal Works focus on theory on lectures	1.66	
6	11	Printer system: domestic printer and graphic arts printer. Security in the documents (I).	X				Personal Works focus on theory on lectures	1.66	5.2
6	12	Security in the documents (II): Knowledge of security contrasts. Security in documents (III): signs of authenticity.	X				Personal Works focus on theory on lectures	1.66	
7	13	Methods of altering security documents. Queries in	X				Personal Works focus on theory on lectures	1.66	5.2

		databases of undocumented documents. Travel documents that comply with ICAO regulations.							
67	14	Study of Euro, US Dollar and bank cards.	X				Personal Works focus on theory on lectures	1.66	
8	15	Lab session on sampling and scripting		X			Resolution of an exercise	1.66	5.2
8	16	Lab session on equipment management.		X			Resolution of an exercise	1.66	
9	17	Lab session on identification of authenticity or falsity of travel documents or means of payment I.		x			Resolution of an exercise	1.66	5.2
9	18	Lab session on identification of authenticity or falsity of travel documents or means of payment I.		x			Personal Works focus on theory on lectures	1.66	
10	19	Footwear and tire footprints. Theoretical Aspects. Signal types (primary and secondary). Signs of wear. Tire tracks and defectology. Databases (SICAR system).	X				Personal Works focus on theory on lectures	1.66	5.2
10	20	Tool Marks. Theoretical Aspects. Signal types (primary and secondary). Casuistry.	X				Personal Works focus on theory on lectures	1.66	
11	21	Forensic study of stolen vehicles. Study of license plates. Falsifying the rack numbers (VIN). Falsification in other components of the vehicle. Other modi operandi.	X				Personal Works focus on theory on lectures	1.66	5.2
11	22	Practices of Instrumental Traces. Integral process of analysis and studies of samples of footprints of footwear and marks of tools.		X			Personal Works focus on theory on lectures	1.66	
12	23	<i>Management System</i> : Applicable Legislation (national and European) Regulations: Guardia Civi, ISO 17025, 17.020. Technical documents (ENFSI, etc.) Concept of Quality. System Elements	X				Personal Works focus on theory on lectures	1.66	5.2
12	24	<i>Organization of the laboratory</i> . General concepts: Design of facilities, construction and relocation. Functional and territorial distribution: decentralization <i>Computer management</i> . Introduction: normative references. Applications of general scope: ALFIL, SIGO, NERHU. Specific applications: LIMS,	X				Personal Works focus on theory on lectures	1.66	
13	25	<i>Management of clues / samples</i> . Introduction: concepts, associated documents <i>Chain of Custody</i> : Associated activities. Entry and Review of applications in the laboratory: qualification, registrations and incidences. Communication and resolution of incidences to the applicant. Management after study: Records, incidents.	X				Personal Works focus on theory on lectures	1.66	5.2
13	26	<i>Forensic Infographics</i> . Application to different fields of Criminalistics.	X				Personal Works focus on theory on lectures	1.66	
14	27	<i>Command Eyepiece Inspection Briefcase</i> . Use of forensic lights.	X				Personal Works focus on theory on lectures	1.66	5.2
14	28	<i>The expert report Content</i> . Legislative and normative references. Signing of reports. Administrative review. Incidents after referral: revocation, correction, rectification or ratification. Qualities of the Criminalistics expert.	X				Personal Works focus on theory on lectures	1.66	
SUBTOTAL								46.7	+ 72.8 = 119.5
15		Recoveries, tutorials, work delivery, etc.							
16-18		Preparation of evaluation and evaluation						3	

TOTAL	150
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(*) The maximum number of sessions with 2 teachers and / or experimental laboratories will be 4.

WEEKLY PLANNING IN LABS SESSIONS						
WEEK	SESSION	DESCRIPTION (The group is subdivided into two. In the schedule two sessions are scheduled in the laboratory indicated in that week)	LABS ROOMS	WEEKLY PROGRAMMING FOR STUDENT		
				DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1		Development of I.T.O., s by Student Teams on predesigned scenarios (use of firearms)	CUGC/ Shooting gallery		1.666	5.2
2		Implementation of I.T.O., s by Teams of Students on predesigned scenarios (traces and traces)	CUGC		1.666	5.2
3		Detection and expert practices on documentation / counterfeit currency	CUGC		1.666	5.2
4		Labs session on chain of custody and quality control in the field of criminalistics.	CUGC		1.666	5.2
TOTAL					6.7+20.8=27.5	

* In the EPS there are 6 additional hours of practice in laboratories during 4 sessions.