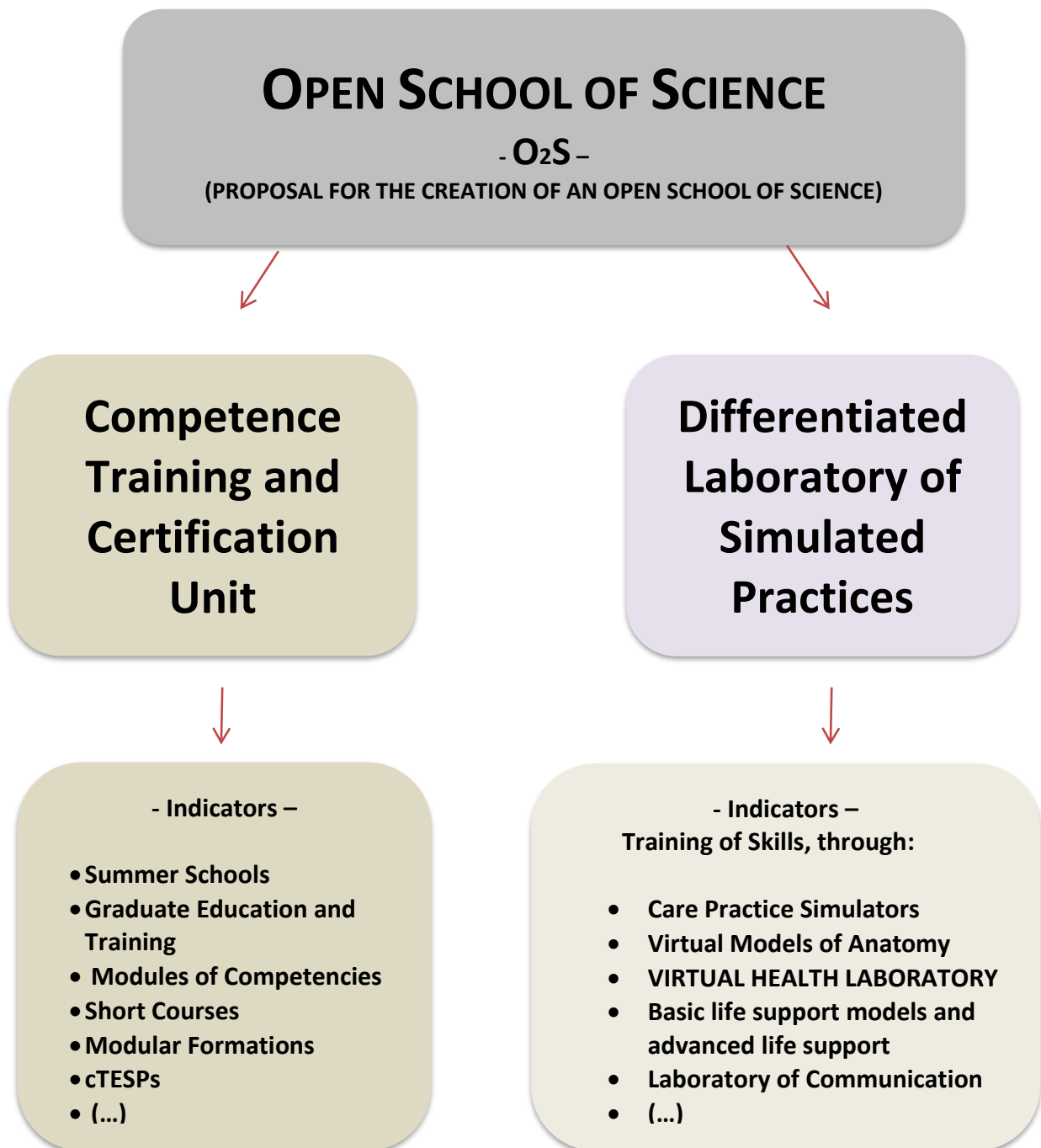


**“IMPULSO JOVENS STEAM”
“IMPULSO ADULTOS**

**[PRESENTATION OF INNOVATIVE PROPOSAL:
OPEN SCHOOL OF SCIENCE – O₂S]**

1. SUBMISSION OF THE PROPOSAL TO PROGRAMMES “Impulso Jovens STEAM” e “Impulso ADULTOS”

1.1 ORGANISATIONAL STRUCTURE OF THE PROPOSAL



1.2 OPERATIONALISATION OF THE PROPOSAL

1. **Mission**

Project O₂S

OPEN SCHOOL OF SCIENCE - Project O₂S

- A **School OPEN** to the labour market, aimed at strengthening the initial higher education of young people and increasing the number of graduates in the areas of health sciences and the like, within a framework of interdisciplinarity and transdisciplinarity.
- A **School OPEN** to the community, enterprises, public and/or private employers, local, regional and national authorities and public bodies, providing training resources that promote continuous learning and the acquisition of new skills of adults active in the field of health sciences and the like.
- A **School OPEN** to partnership with secondary schools, in order to broaden the social base of higher education, foster the diversification/specialization of the teaching offer and enhance the attraction of young people to higher education, avoiding school dropout.
- A **School OPEN** to entrepreneurship, innovation and technology in health, leveraging entrepreneurship projects with companies/institutions, as well as social initiatives with a positive impact on the community.

2.

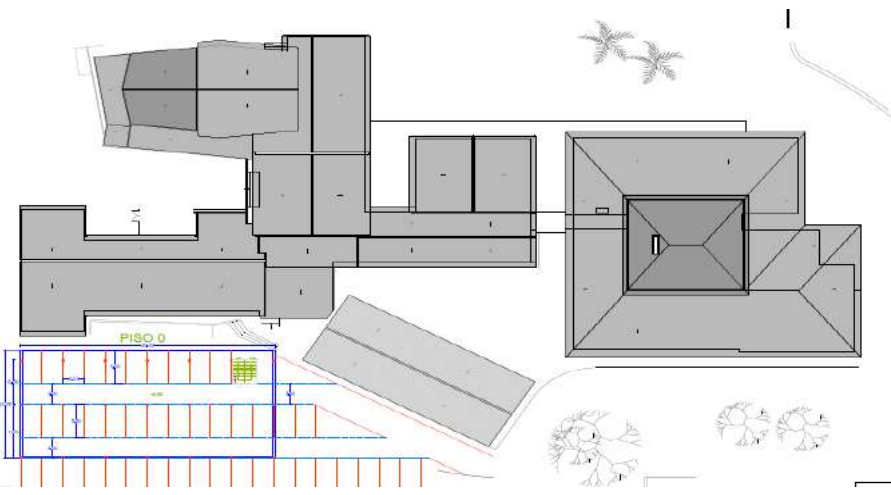
STRUCTURE

The **O₂S Project** will allow the construction of new physical infrastructures (facilities and equipment) to support its operation. With an area of 450m², to be built in the backyard of ESSV - IPV, will incorporate two valences of transversal support to training programs, skills training and softskills for youth and adults:

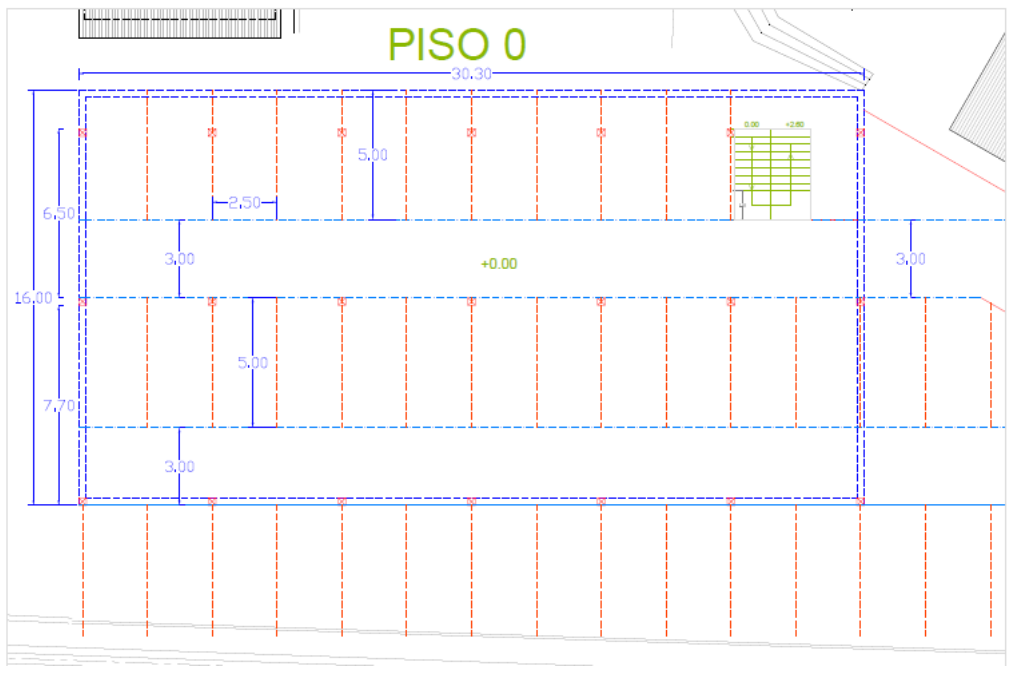
- **Competence Training and Certification Unit;**
- **Differentiated Laboratory of Simulated Practices.**

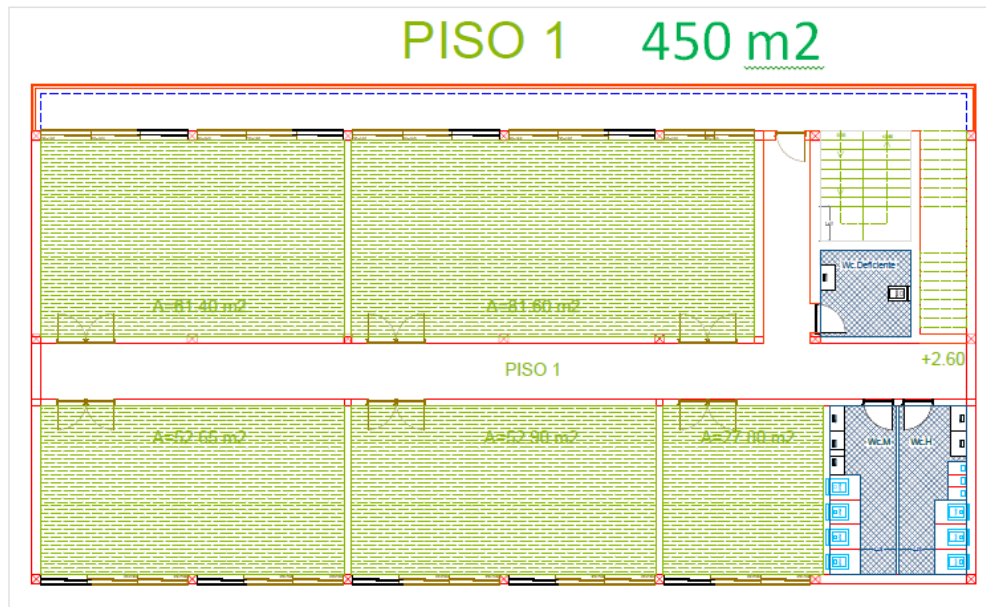
Localization Plants





Building Plans





Obs: Feasibility of construction in the future of a 2nd floor, with equal area and with elevator incorporation.



FUNDAMENTALS AND RESOURCES

SKILLS TRAINING AND CERTIFICATION UNIT:

FUNDAMENTALS OF SUPPORT TO ITS DESIGN AND IMPLEMENTATION:

- ✓ The commitment to the qualification of people is an indispensable means for the valorization of citizens, for a democratic citizenship and for the sustainable development of any country.
- ✓ Training has played a critical role in combating exclusion and poverty, but also in strengthening and acquiring new skills for the future, fostering a vision focused on the prosperous and sustainable development of society.
- ✓ Competence certification is the structuring process through which citizens demonstrate acquired and developed competences throughout their lives, capable of validation and certification for the purpose of obtaining a qualification essential for their personal and professional development.

RESOURCES to Allocate to Your Operation:

- ✓ Human Resources
 - Team of Trainers, consisting of:
 - 1 Coordinator;

DIFFERENTIATED LABORATORY OF SIMULATED PRACTICES:

FUNDAMENTALS OF SUPPORT TO ITS DESIGN AND IMPLEMENTATION:

- ✓ The Differentiated Laboratory of Simulated Practices is a support structure for the acquisition and development of essential skills, within the framework of the training structure of the courses developed by the training unit.
- ✓ The Laboratory's mission is to train skills that, combined with the specific knowledge of health and related areas, enhance the quality of learning, as well as the ability to adapt to the needs of the labour market, with a view to a safe and qualified teaching.
- ✓ The constant demands of the labour market require constant adaptation to new situations, based mainly on personal capacity to analyse information and solve problems, but also on the management of socio-emotional and behavioural skills, organization and planning, communication skills, leadership, autonomous and team work, which should be the subject of simulated laboratory practice.

RESOURCES to Allocate to Your Operation:

- ✓ **Recursos Humanos:**
 - 1 Coordinador;
 - 10 Tutores/Teachers for the Development of Simulated Practices

1.3 PROPOSED FORMATIVE PLAN TO IMPLEMENT

Respecting the requirement expressed in the opening notice (Av 01/PRR/2021) that applications for programmes must demonstrate the innovative character of the proposed initiatives compared to the existing programmes in the promoters, We understand that the **O2S Project** is innovative within ESSV | IPV by incorporating two transversal support skills to training programs, skills training and softskills for young people and adults: Differentiated Laboratory of Simulated Practices and Unit of Training and Certification of Competencies.

As a complement to this innovative proposal we suggest a training plan (2022-2026), also structurally innovative, since, on the one hand, it brings together a training plan with a transversality of topics of interest to the target audiences of the programmes - ACTIVE YOUTH AND ADULTS and, on the other hand, the overwhelming majority of the suggested training proposals (**18 out of 23**) are totally

innovative compared to the already existing training offer in the promoting entity - Escola Superior de Saúde de Viseu.

FORMATIVE TYPOLOGY	FORMATIVES PROPOSALS	Innovative Profile of the Training Proposal in the light of existing programs at ESSV
Summer Schools	Summer School: "Higher Education? ... Come On Don't Give Up. We Wait for YOU" (Summer school aimed at students attending the 10th and 11th years of schooling. Held in several editions from 2022 to 2026, with the aim of making known the advantages of attending Higher Education; Promoting school success; and Combating School Dropout); PARTNERS/ CONSORTIA: Secondary Schools	YES
1. POSTGRADUATE FORMATION 2. SKILLS AND SOFTSKILLS MODULES 3.SHORT COURSES 4.MODULAR FORMATIONS 5.cTESPs	Impact Entrepreneurship and Innovation in Health	YES
	Social Responsibility (Corporate, Business, Environmental) and Volunteering	YES
	Communication Skills and Creativity in Science	YES
	Linguistic Skills and Internationalization in Health	YES
	Conflict Management: Family, Work, Organizations	YES
	Time Management and Teamwork	YES
	Health Literacy and COVID-19: Good Practices and Challenges	YES
	Train the Caregiver: Empowerment of Informal Caregivers	YES
	Emotional Management in Times of Pandemic	YES
	Mental Health in Times of Pandemic	YES
	Geriatrics Assistant and Home Support	YES
	Writing Technical and Scientific Texts	YES
	Study Methods and Techniques	YES

	Critical Thinking and Competitiveness in Health	YES
	Occupational Health Management Occupational Nursing	YES
	Data Analysis: Transversal Competence in the Labor Market	YES
	Forensic Nursing	YES
	Basic Life Support with Automatic External Defibrillation	In Part
	Advanced Life Support	In Part
	Equality for Gender and Citizenship	In Part
	Education for the affections and experience of responsible sexuality	In Part
	Nursing in Out-of-Hospital Emergency	In Part

2. ELIGIBLE EXPENDITURE PLAN UNDERLYING THE PROPOSAL

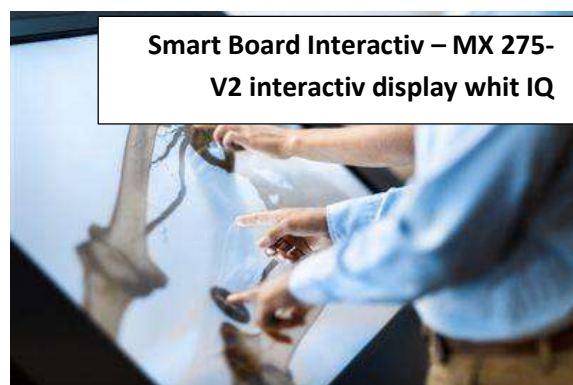
Respecting the assumptions of the notice of application opening (AV 01/PRR/202: https://www.dges.gov.pt/pt/pagina/candidatura_IMPULSO), we present the Eligible Expenses Plan:

Rubric	Specificity	N	Expense amount with 23% VAT
Construction of installations	Construction of the Infrastructure that will allocate the OPEN SCHOOL OF SCIENCE (with Architecture and Specialties projects)	1	598.600,00 €
Sub-TOTAL.1			598.600,00 €
	Sectra Table or board– One: Sectra Education Portaland Table: Visualization and interactivity for		

	medical education and clinical training. (Table hardware including 65" multi-touch monitor with 4K resolution, adjustable stand with lockable wheels, client and server hardware. Sectra software for image handling, including touch workspace and advanced volume visualization techniques, and SQL server license. Includes virtual cadaver).	1	139.800,00 €
	Monitor Interactiv 75" (Smart Board interactive – MX 275-V2 interactiv display whit IQ)	4	13.776,00 €
	Monitor Interactiv 65" (Smart Board interactive – MX 265-V2 interactiv display whit IQ)	1	2.091,00 €
	Wall mount for screen/projection monitors (Wall Mounting Bracket - 40cm)	5	307,00 €
	Pro AV System Hub	5	3.690,00 €
	Camara PTZ USB 3.0, HDMI, LAN, 30X	5	5.535,00 €
	Conference microphone 360º (SoundCap YVC-330)	5	2.152,50 €
	Laptops (Dynabook Portégé X30L-J-159 Ddr4-Sdram Laptops)	5	9.225,00 €
	Simulator: Clinical decision support table (computer assisted workstation based on Web patient technology, including Hadware and Software)	1	100.000,00 €
	RSIM - High Fidelity Resuscitation Simulation (Based on Colors Feedback System)	1	99.000,00 €
	Advanced Life Support Advanced Simulator	1	15.000,00 €
	Advanced Basic Life Support Simulator	2	18.000,00 €
	Advanced High Realism Patient Care Simulator	1	99.500,00 €
	External Automatic Defibrillator	4	2.000,00 €
	Secretion Aspiration and Nasogastric Intubation Model	2	10.000,00 €
Sub-TOTAL.2			520.076,50
Furniture Equipment	Table + Chair	200	19.650,00 €
	Secretary + Chair	5	2.460,00 €

Sub-TOTAL.3			22.110,00 €
Human Resources	Support for the hiring of human resources, under different modalities (including the hiring of teachers, non-teaching staff, etc.);	?	Obs. The amount of expenses will depend on the approved training and the inherent training typology
Various Expenditure	Various expenses, including consumables and expenses with specific programs for the integration, monitoring, counseling and guidance of students	?	Obs. The amount of expenses will depend on the approved training and the inherent training typology
Incentives for Students (according to point 4. of the Eligible and Ineligible Expenses - NOTICE)	Merit and/or other scholarships, which must include at least about 10% of eligible expenses, and may be extended to schools and actions aimed at secondary school students in the case of the "Impulso Jovem STEAM" Program.	?	Obs. This value will depend on the Overall Value of the Approved Final Proposal

Photographic Portfolio of Technical Equipment





75"



65"

**Smart Board Interactiv – MX 265-
V2 interactiv display whit IQ**

**Wall bracket for projection screens/monitors
(Wall Mounting Bracket)**



**Dynabook Portégé X30L-J-159
Ddr4-Sdram Computador Portátil**



**Camara PTZ USB 3.0, HDMI, LAN,
12X/30X**



**Conference microphone 360°
(SoundCap YVC-330)**



**Simulator: Clinical decision support table (computer assisted
workstation based on Web patient technology)**



RSIM - High Fidelity Resuscitation Simulation (Based on Colors Feedback System)



Advanced Life Support Advanced Simulator



Advanced Basic Life Support Simulator



Advanced High Realism Patient Care Simulator



External Automatic Defibrillator



Secretion Aspiration and Nasogastric Intubation Model



3. Authors of the Proposal



Carlos Albuquerque, Prof Coordenador (Ciência ID: 9B1E-D9AA-1C3F)



Madalena Cunha, Profª Coordenadora (Ciência ID: 5C12-8847-309C)



António Madureira, Prof Adjunto (Ciência ID: ??????)



Isabel Bica, Profª Adjunta (Ciência ID: 5E1B-76D8-022B)



Ana Andrade, Profª Adjunta (Ciência ID: BD1A-807B-CEFB)

30/07/2021

A handwritten signature in black ink, appearing to read 'Carlos Albuquerque'.

(Carlos Albuquerque)

ANEXO

Examples of Formative Initiatives

Iniciativa Formativa **1** – Curso de Pós-Graduação em Enfermagem Forense

Código	EF_01
Área Temática	Enfermagem Forense
Objetivos	<ul style="list-style-type: none">• Dotar os Enfermeiros de Competência Acrescida Diferenciada e Competência Acrescida Avançada em Enfermagem Forense.
Requisitos	Licenciatura em Enfermagem
Público-alvo	Enfermeiros
N.º potencial de interessados	2000
N.º de Horas	750 Horas totais horas 230 Horas de contacto 520 Horas de trabalho Estudante (30 ECTS)
N.º de Edições	10
Follow up	
Conteúdos programáticos	Enfermagem Forense: <ul style="list-style-type: none">• História da Enfermagem Forense;• Processo de Enfermagem à pessoa em cenários de violência, traumatologia forense e/ou desastre de massa;• Recolha, preservação e armazenamento de vestígios; cadeia de custódia• Traumatologia Forense;• Desastre de massa.• Padrões da prática da ciência de enfermagem forense• Violência interpessoal• Direitos humanos• Conceitos teóricos da ciência de enfermagem forense• Enfermagem forense na urgência e emergência pré-hospitalar, comunidade, ERPI ...• Investigação em Enfermagem Forense• Registos em enfermagem forense / e relatórios ...

- Enfermagem forense em estabelecimento prisional
- Fotografia forense
- Balística /armas brancas e outras
- Consultadoria/assessoria / depoimento

Ética e Direito em Ciências Forenses:

- Enquadramento ético-legal;
- Dogmas e paradigmas
- Processo penal e enquadramento jurídico
- Testemunho pericial

Clínica Forense:

- Noções de avaliação do dano civil, penal e do trabalho.
- Exames periciais
- Estimativa de idade e identificação.

Genética Forense:

- Perícias de identificação biológica
- Marcadores genéticos.
- Introdução à criminalística biológica
- Desastres de Massa
- Vestígios biológicos

Antropologia Forense:

- Causas e circunstâncias da morte;
- Introdução à medicina dentária forense.
- Identificação
- Estimativa da idade
- Diagnose sexual
- Avaliação antropológica
- Noções básicas de Entomologia forense

Patologia Forense:

- Patofisiologia da morte;
- Morte violenta;
- Autópsia médico-legal;
- Lesões traumáticas.
- Investigação da causa de morte
- Aspectos médico-legais do local

Psicologia e Psiquiatria Forense:

- Emergência psiquiátricas: avaliação e intervenção;
- Perícias.

- Avaliação psicológica forense
- Entrevista forense e relatório
- Enfermagem psiquiátrica forense
- Psiquiatria forense

Toxicologia Forense:

- Introdução à toxicologia forense;
- Peritagem e investigação.
- Intoxicações aspetos forenses

Criminalística :

- Metodologia de investigação criminal
- Inspeção judiciária.
- Introdução à criminologia
- Técnicas de perícias forenses

Componente prática:

- Serviços de urgência e/ou outros com protocolos definidos no âmbito da competência acrescida;
- Núcleos de apoio a crianças e jovens em risco de hospitais e agrupamentos de centros de saúde; CPCJ /APAV
- Instituto de Medicina Legal e Ciências Forenses I.P.;
- Serviço de Psiquiatria Forense
- Delegações/gabinetes do INMLCF I.P.

Como unidades curriculares optativas propomos:

- Ciências forenses emergentes
- Gestão de conflitos, liderança e gestão de programas de enfermagem forense
- Intervenção humanitária em contexto forense
- Cursos SANE A e SANE P
- Direitos humanos: investigação forense:
- Direito internacional Humanitário
- Investigação forense e documentação em casos de tortura
- Crimes contra pessoas em cenários de conflito
- Tráfico humano
- Princípios básicos dos direitos humanos
- Comunicação de más-notícias / luto /

Corpo docente

Madalena Cunha;
Docentes Externos:

	Albino Gomes
Parceiros	<ul style="list-style-type: none"> ● Instituto Nacional de Medicina Legal e Ciências Forenses, I.P ● ANEFOR – Associação Nacional de Enfermagem Forense
Metodologias de aprendizagem	Métodos Ativos com Treino de prática simulada em Laboratório de Simulação com Modelos Pedagógicos de alta fidelidade
Estratégias e planos de comunicação/divulgação	Via web página da ESSV Newsletter IPV Meios de comunicação social da zona centro de Portugal
Modalidade	Presencial
Equipamentos necessários	Nanuais Pedagógicos ; Sacos de Papel para preservação de provas ; Reagentes, Microscópios
Potencial de empregabilidade	90 %

Iniciativa Formativa 2 – Curso de Suporte Básico de Vida com DAE

Código	SBV_01
Área Temática	Suporte Básico de Vida
Objetivos	<ul style="list-style-type: none"> ● Desenvolver competências adequadas à prestação de suporte básico de vida (SBV) e técnicas de primeiros socorros. ● Desenvolver competências adequadas na utilização do Desfibrilhador Automático Externo
Requisitos	Não
Público-alvo	Cidadão Comum, preferencialmente: Agentes Educativos Agentes Desportivos Agentes da Segurança Pública (PSP; GNR) Taxistas Motoristas Logistas (...)

N.º potencial de interessados	1500
N.º de Horas	Horas totais 125 horas: <ul style="list-style-type: none"> • Horas de contacto -25 horas • Horas de trabalho - 100 Horas
N.º de Edições	10
Follow up	Recertificação a cada 2 anos
Conteúdos programáticos	<p>Contextualização da Formação: Objectivos, Metodologias de formação Avaliação</p> <p>Componente Formativa: Lipotimia; Insolação/Golpe de calor; Hemorragias; Feridas; Queimaduras; Trauma (craniano, torácico e abdominal); Entorses e fracturas; Mordeduras e Picadas Princípios gerais; Normas de conduta; Precauções universais; A “caixa de primeiros socorros”. Diabetes; Asma; Febre; Convulsões. Fases; Intervenientes; Subsistemas. Elos da Cadeia de Sobrevivência. Exame Primário (A, B, C); Exame Secundário. Obstrução das vias aéreas; Normas de segurança; Estado de consciência; Posição lateral de segurança; Algoritmo de SBV; Demonstração Prática de SBV.</p>
Corpo docente	Madalena Cunha António Madureira Dias Graça Aparício

	Olivério Ribeiro Mauro Mota
Parceiros	ANTRAN ANTRAL MUNICIPIO Escolas de Condução Motoristas Federação Portuguesa de Futebol Associação de Futebol de Viseu Outras Associações Desportivas AIRV
Metodologias de aprendizagem	Métodos Ativos com Treino de prática simulada em Laboratório de Simulação com Modelos Pedagógicos de alta fidelidade
Estratégias e planos de comunicação/divulgação	Via web página da ESSV Newsletter IPV Meios de comunicação social da zona centro de Portugal
Modalidade	Presencial
Equipamentos necessários	Modelos Pedagógicos de alta fidelidade
Potencial de empregabilidade	100 %