ECQA Certified Powertrain Engineer

How to Guide – Attending a Course in the Online Academy

Online Academy

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- Content and Structure
- Attending Exams and Self Assessment of Skills (separate How-to Guides)
- Exercises and Interactions

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Access to the Course Area

ECEPE Online Training in EuroSPI Academy

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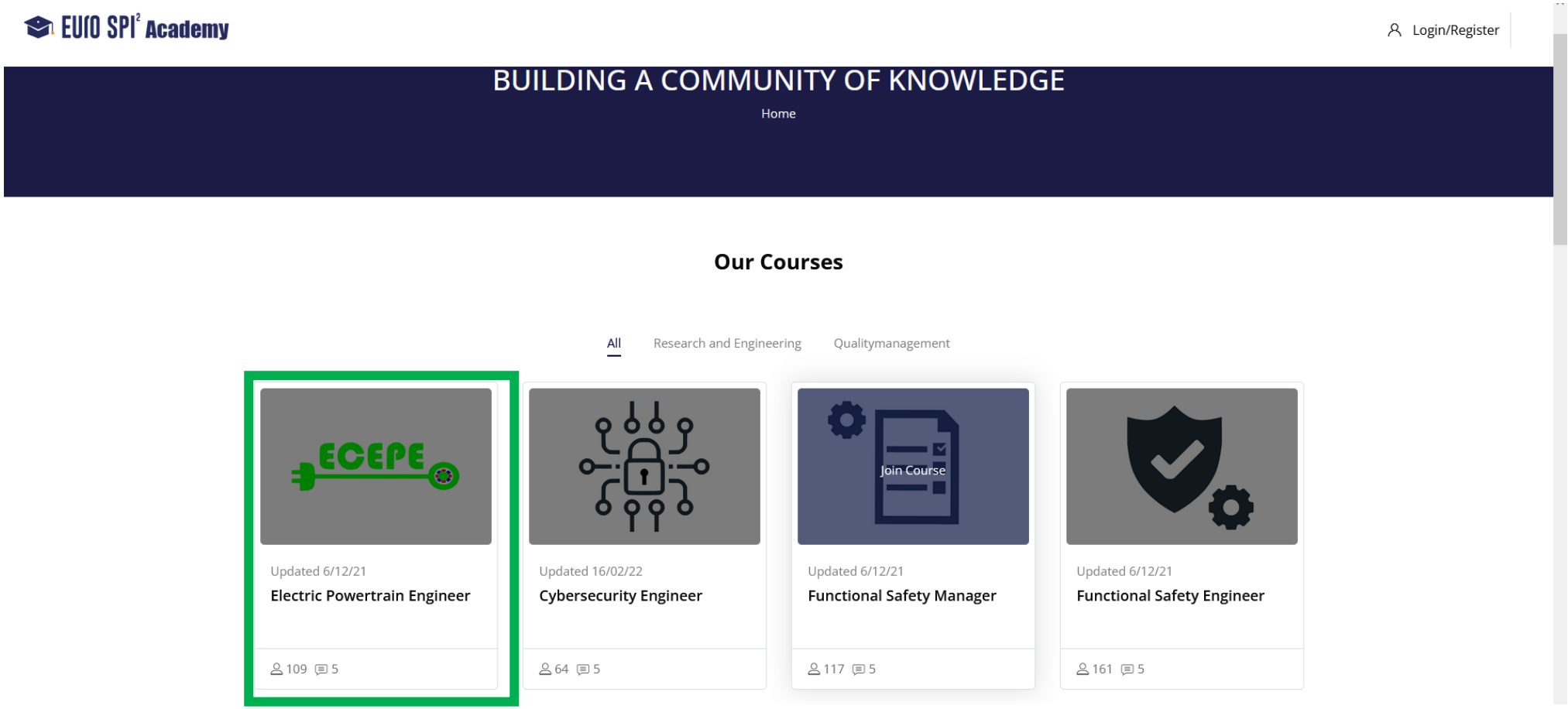
Course Area

- https://academy.eurospi.net

1. Go to the website



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Select Course

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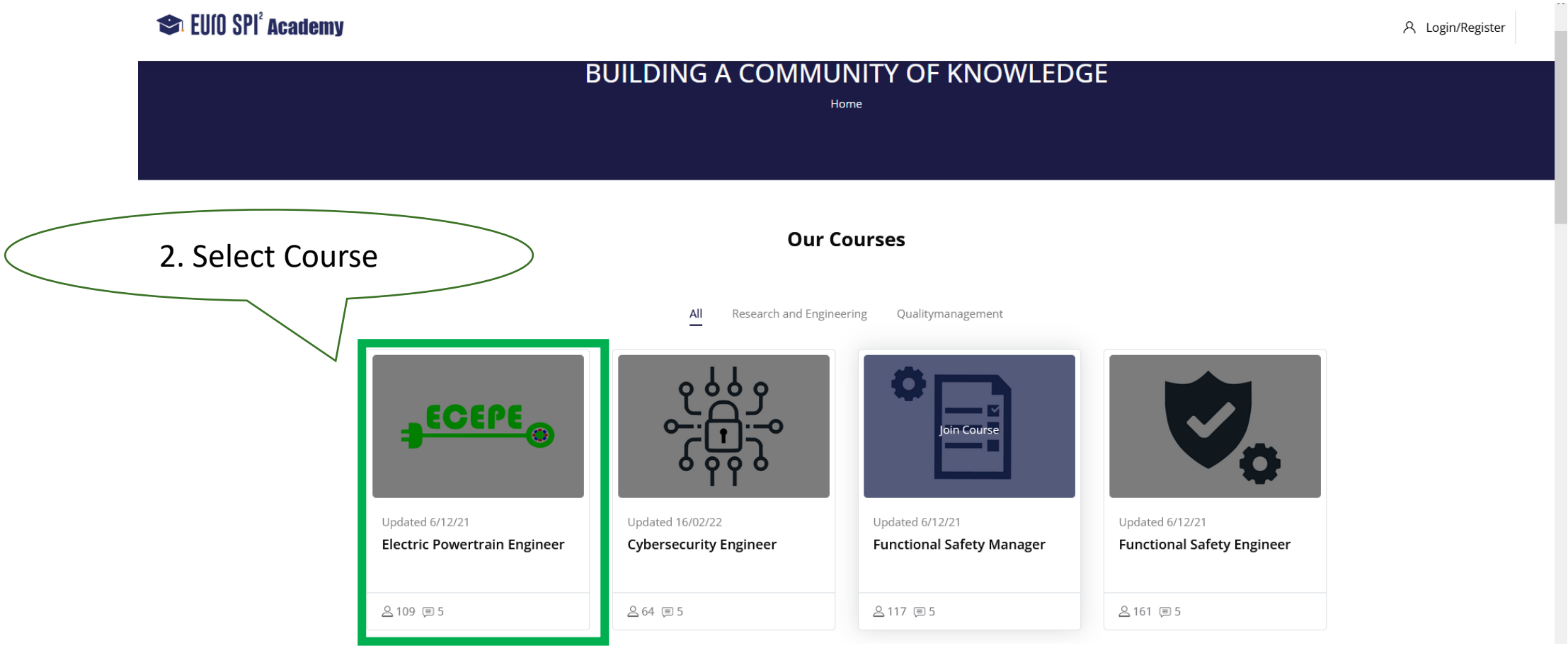

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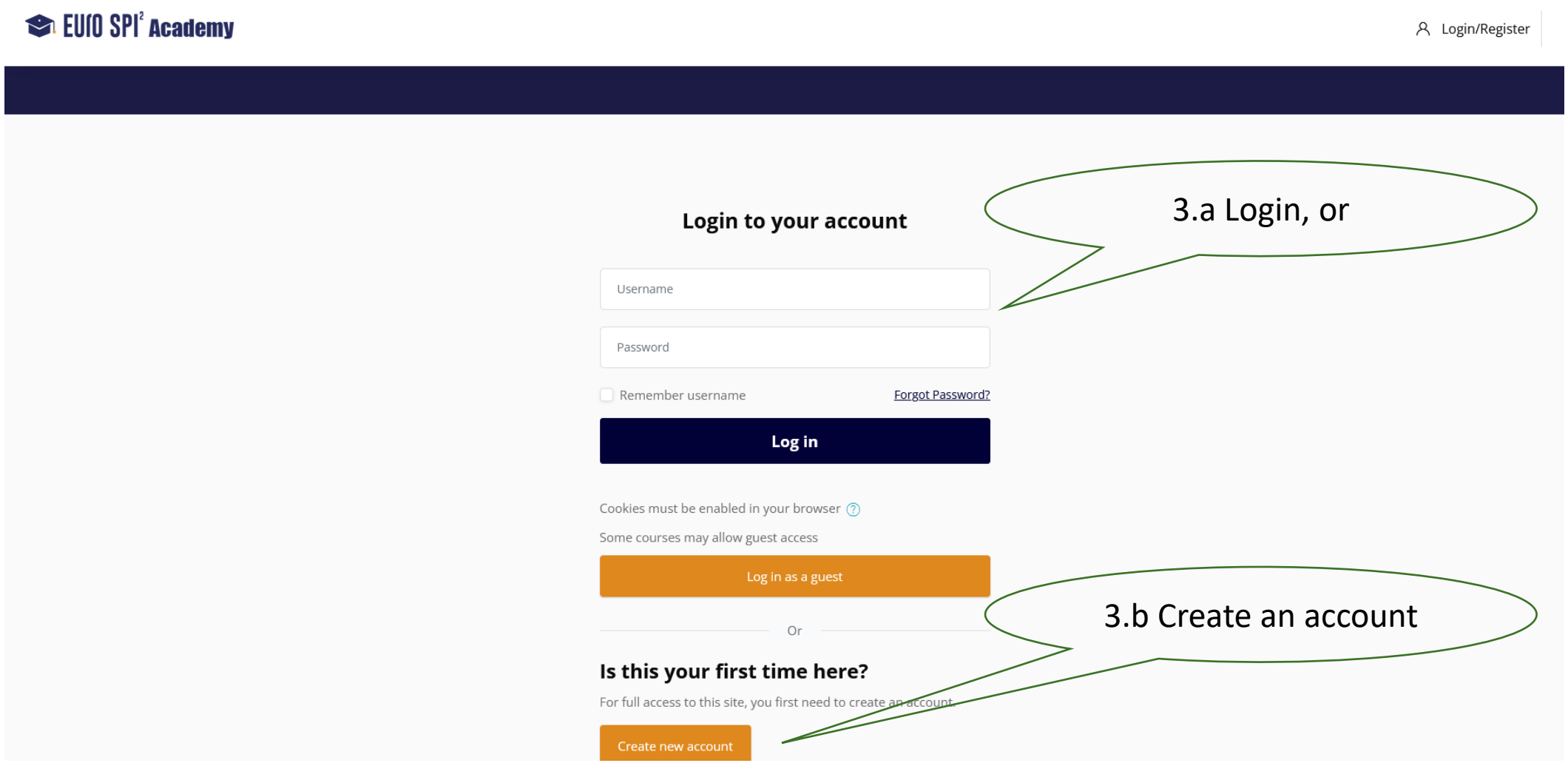
Register or Login (if you have already an account)



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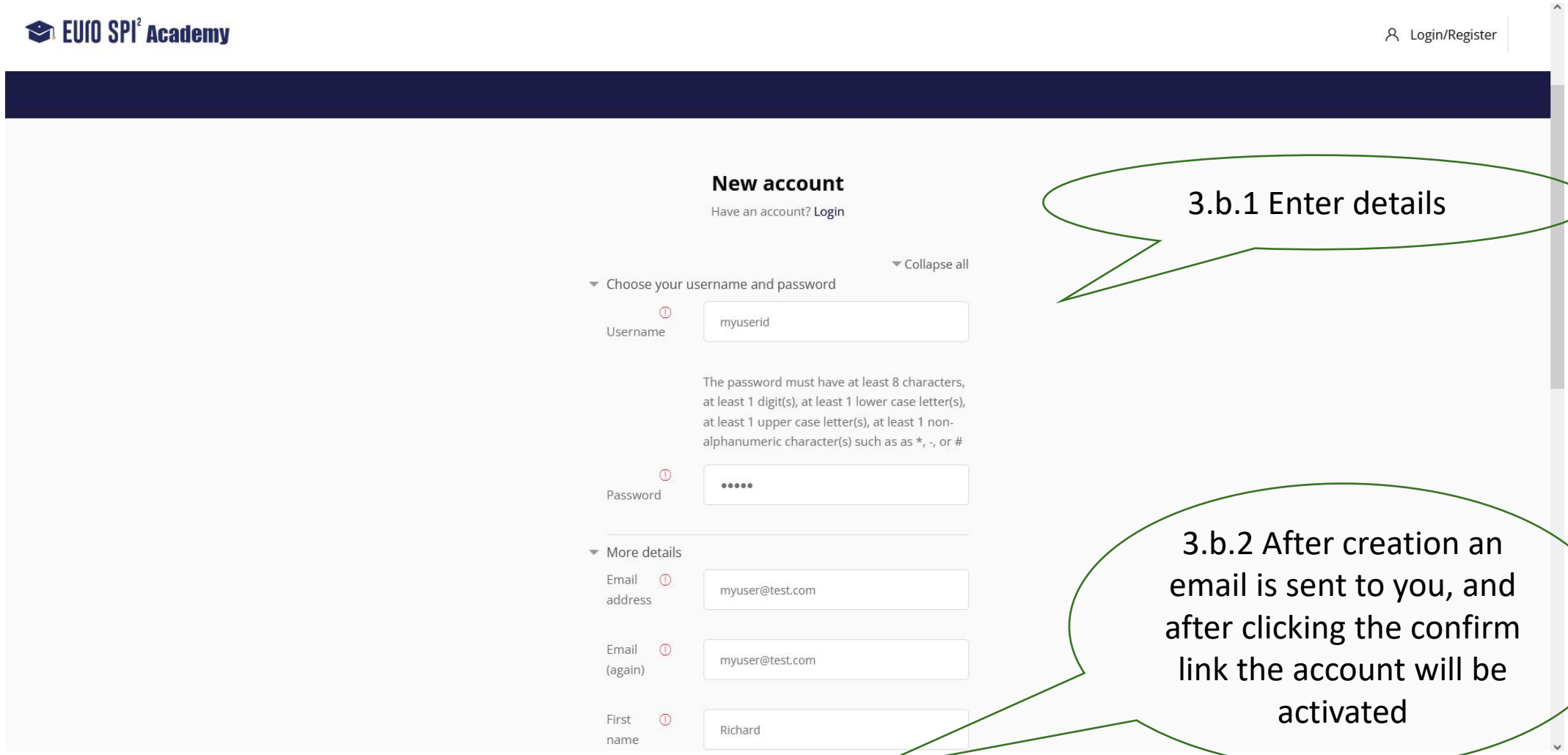

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Enrollment Key

- Once the account is confirmed and you login the system will ask you for an enrolment key
- **Only with an enrolment key** (provided by the training body) the access is granted by the system.
- The system asks you only once, after that it remembers your access is granted.

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Content and Structure

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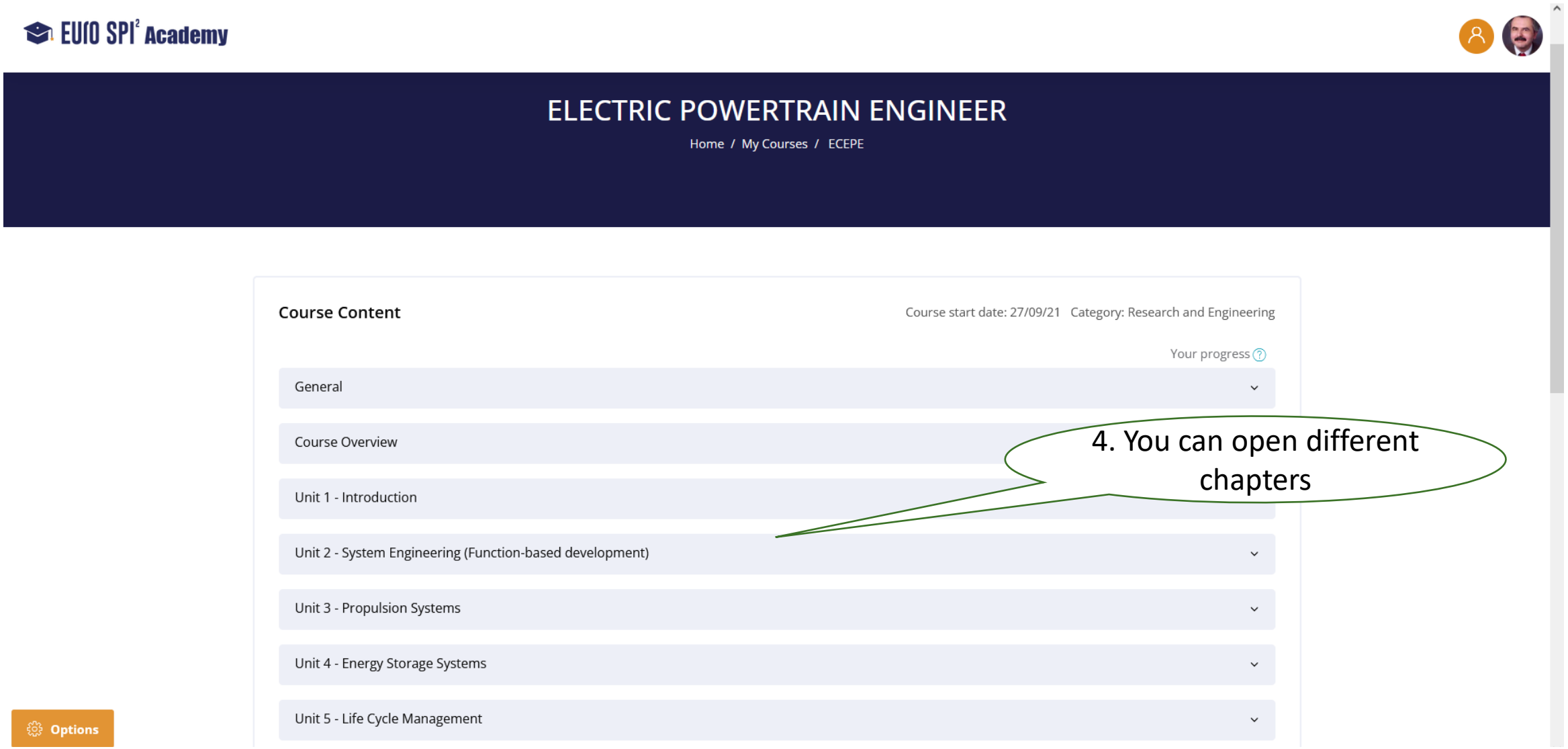
Scroll Course Areas



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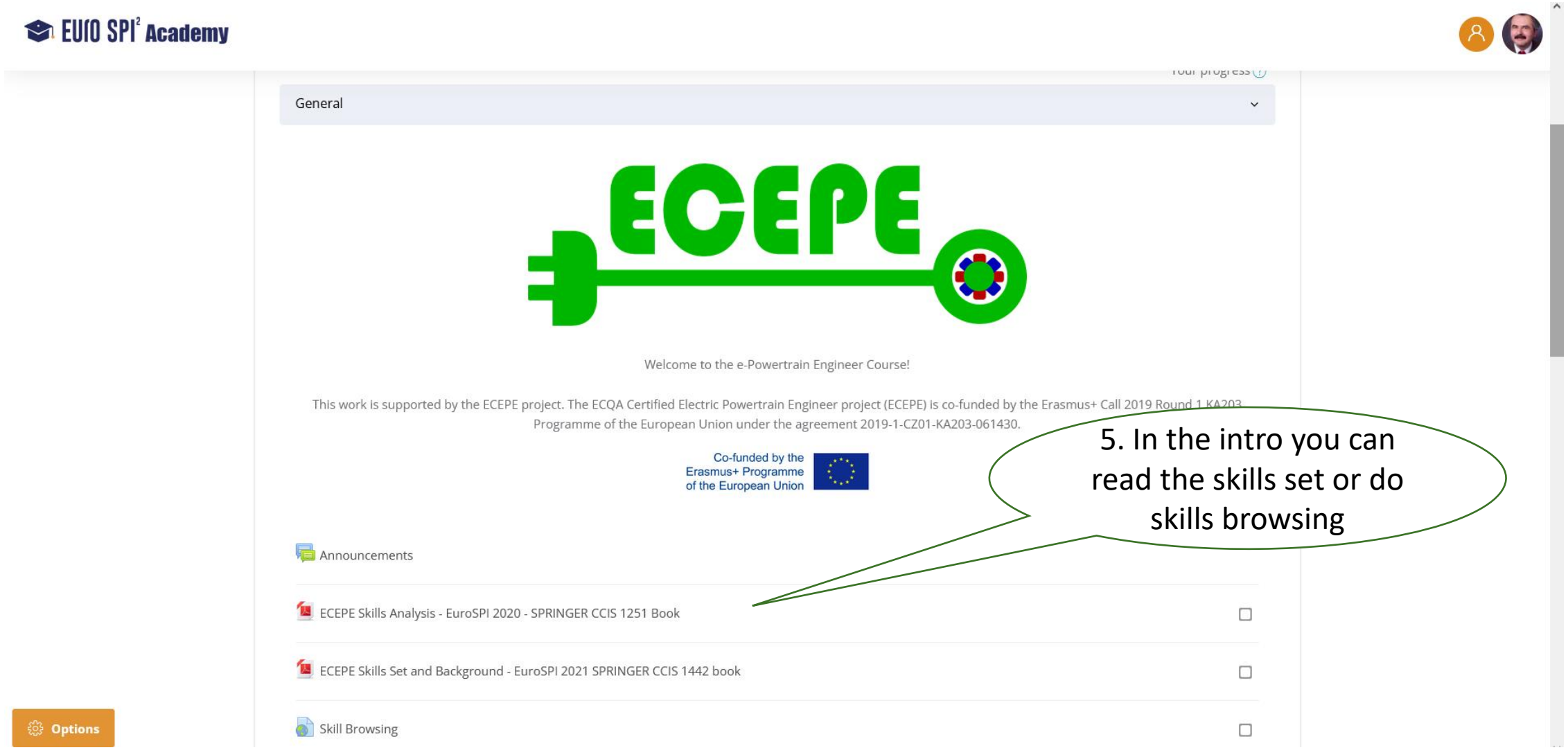

5. In the intro you can read the skills set or do skills browsing

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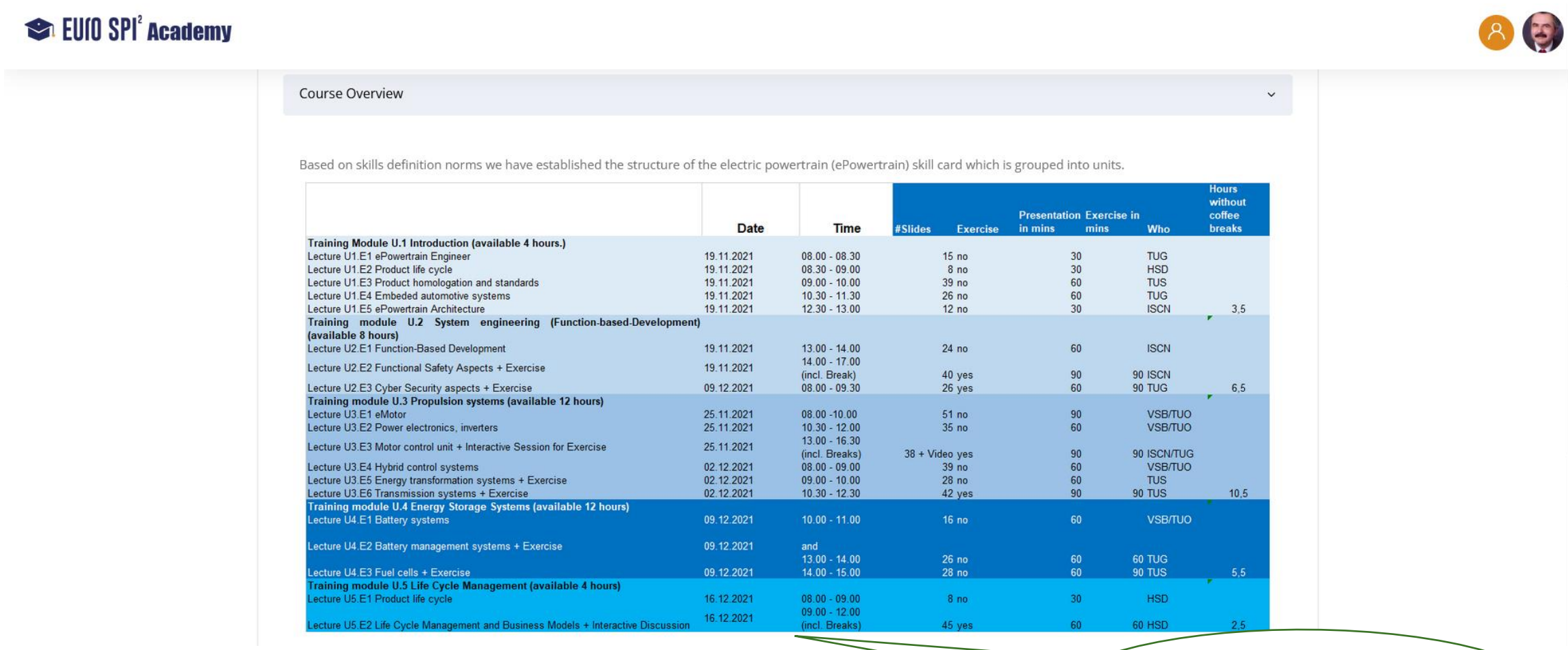

	Date	Time	#Slides	Exercise	Presentation in mins	Exercise in mins	Who	Hours without coffee breaks
Training Module U.1 Introduction (available 4 hours.)								
Lecture U1.E1 ePowertrain Engineer	19.11.2021	08.00 - 08.30	15	no	30		TUG	
Lecture U1.E2 Product life cycle	19.11.2021	08.30 - 09.00	8	no	30		HSD	
Lecture U1.E3 Product homologation and standards	19.11.2021	09.00 - 10.00	39	no	60		TUS	
Lecture U1.E4 Embeded automotive systems	19.11.2021	10.30 - 11.30	26	no	60		TUG	
Lecture U1.E5 ePowertrain Architecture	19.11.2021	12.30 - 13.00	12	no	30		ISCN	3,5
Training module U.2 System engineering (Function-based-Development) (available 8 hours)								
Lecture U2.E1 Function-Based Development	19.11.2021	13.00 - 14.00	24	no	60		ISCN	
Lecture U2.E2 Functional Safety Aspects + Exercise	19.11.2021	14.00 - 17.00 (incl. Break)	40	yes	90	90	ISCN	
Lecture U2.E3 Cyber Security aspects + Exercise	09.12.2021	08.00 - 09.30	26	yes	60	90	TUG	6,5
Training module U.3 Propulsion systems (available 12 hours)								
Lecture U3.E1 eMotor	25.11.2021	08.00 -10.00	51	no	90		VSB/TUO	
Lecture U3.E2 Power electronics, inverters	25.11.2021	10.30 - 12.00	35	no	60		VSB/TUO	
Lecture U3.E3 Motor control unit + Interactive Session for Exercise	25.11.2021	13.00 - 16.30 (incl. Breaks)	38 + Video	yes	90	90	ISCN/TUG	
Lecture U3.E4 Hybrid control systems	02.12.2021	08.00 - 09.00	39	no	60		VSB/TUO	
Lecture U3.E5 Energy transformation systems + Exercise	02.12.2021	09.00 - 10.00	28	no	60		TUS	
Lecture U3.E6 Transmission systems + Exercise	02.12.2021	10.30 - 12.30	42	yes	90	90	TUS	10,5
Training module U.4 Energy Storage Systems (available 12 hours)								
Lecture U4.E1 Battery systems	09.12.2021	10.00 - 11.00	16	no	60		VSB/TUO	
Lecture U4.E2 Battery management systems + Exercise	09.12.2021	and 13.00 - 14.00	26	no	60	60	TUG	
Lecture U4.E3 Fuel cells + Exercise	09.12.2021	14.00 - 15.00	28	no	60	90	TUS	5,5
Training module U.5 Life Cycle Management (available 4 hours)								
Lecture U5.E1 Product life cycle	16.12.2021	08.00 - 09.00	8	no	30		HSD	
Lecture U5.E2 Life Cycle Management and Business Models + Interactive Discussion	16.12.2021	09.00 - 12.00 (incl. Breaks)	45	yes	60	60	HSD	2,5

6. Course overview shows the defined course structure

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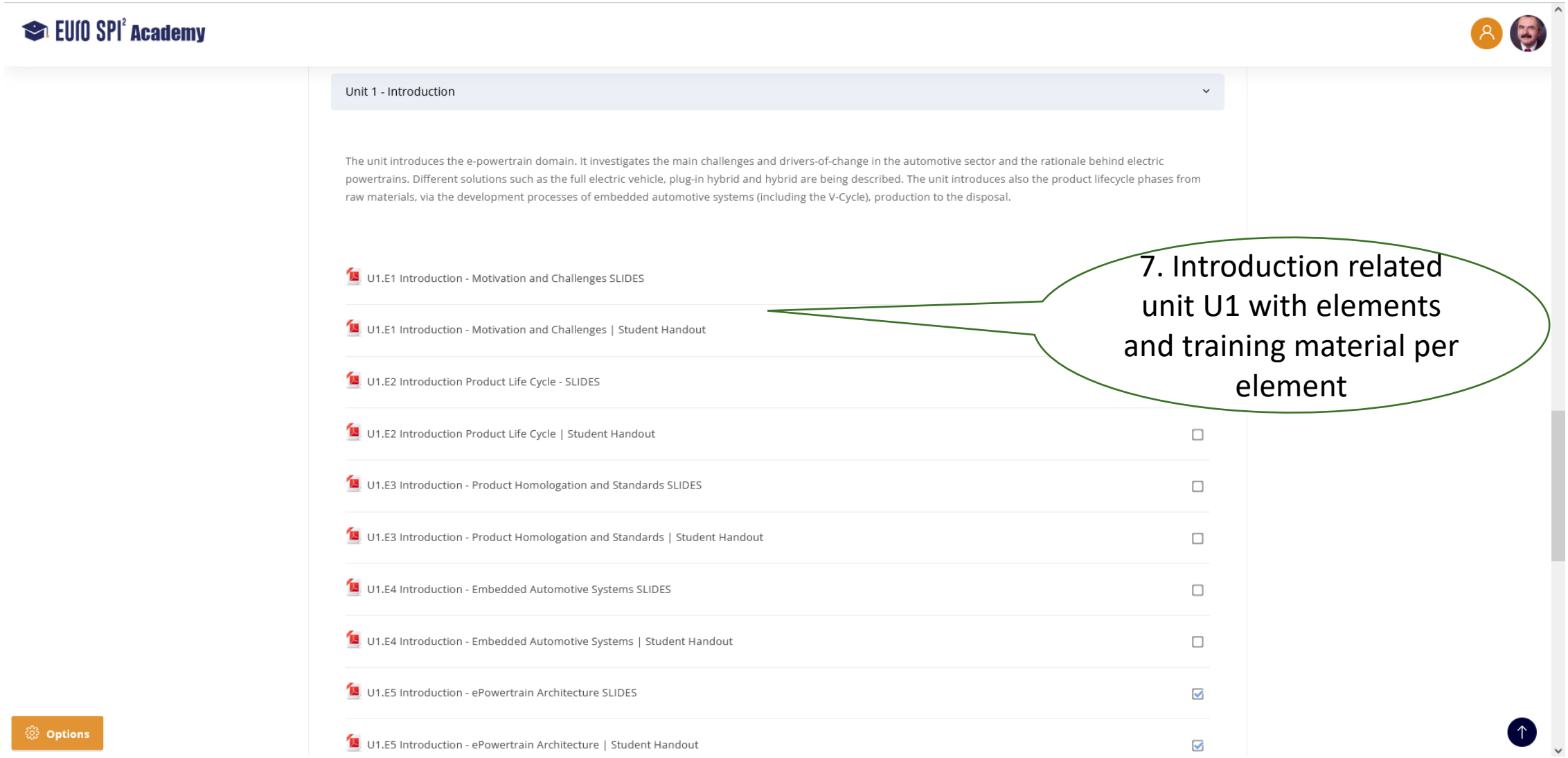

7. Introduction related unit U1 with elements and training material per element

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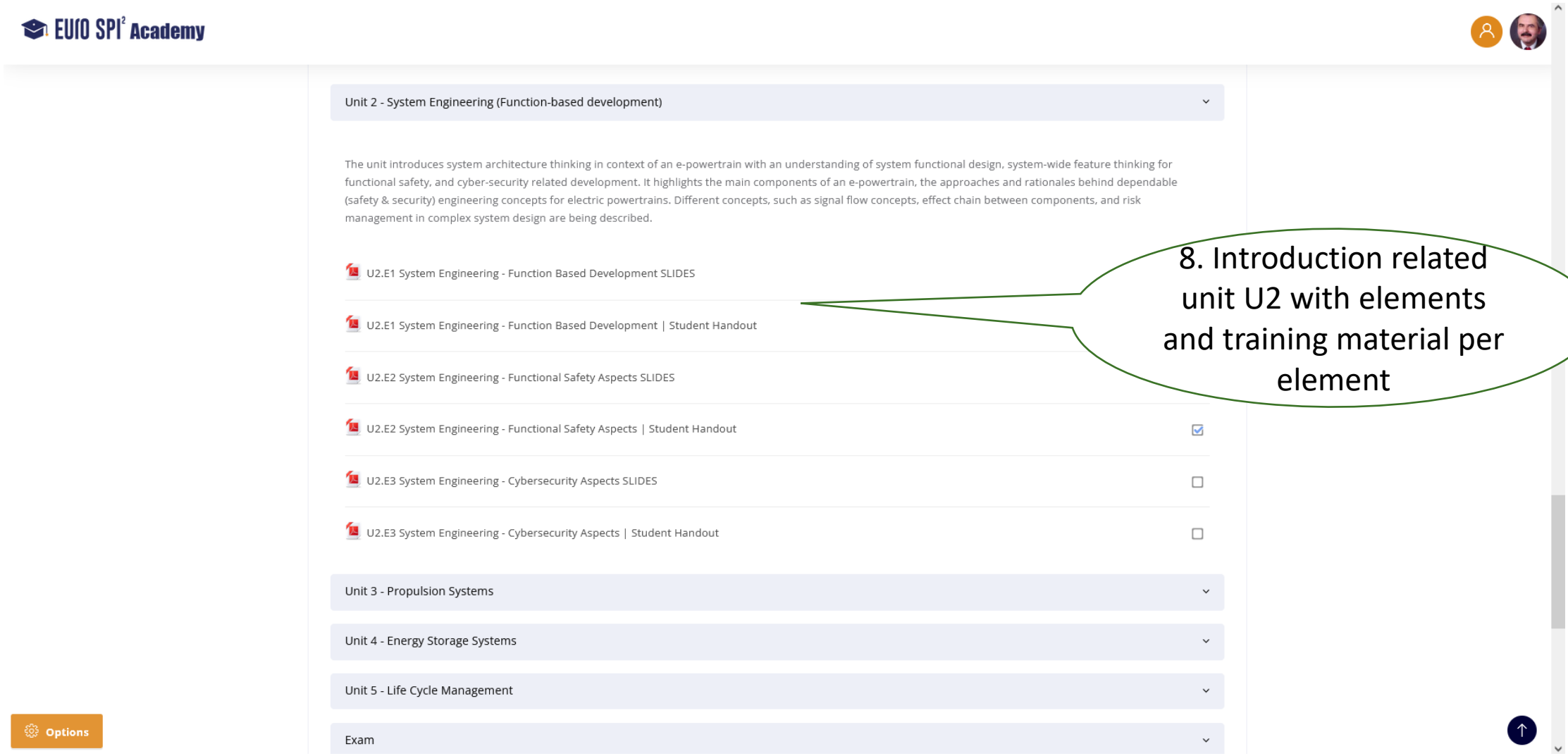

8. Introduction related unit U2 with elements and training material per element

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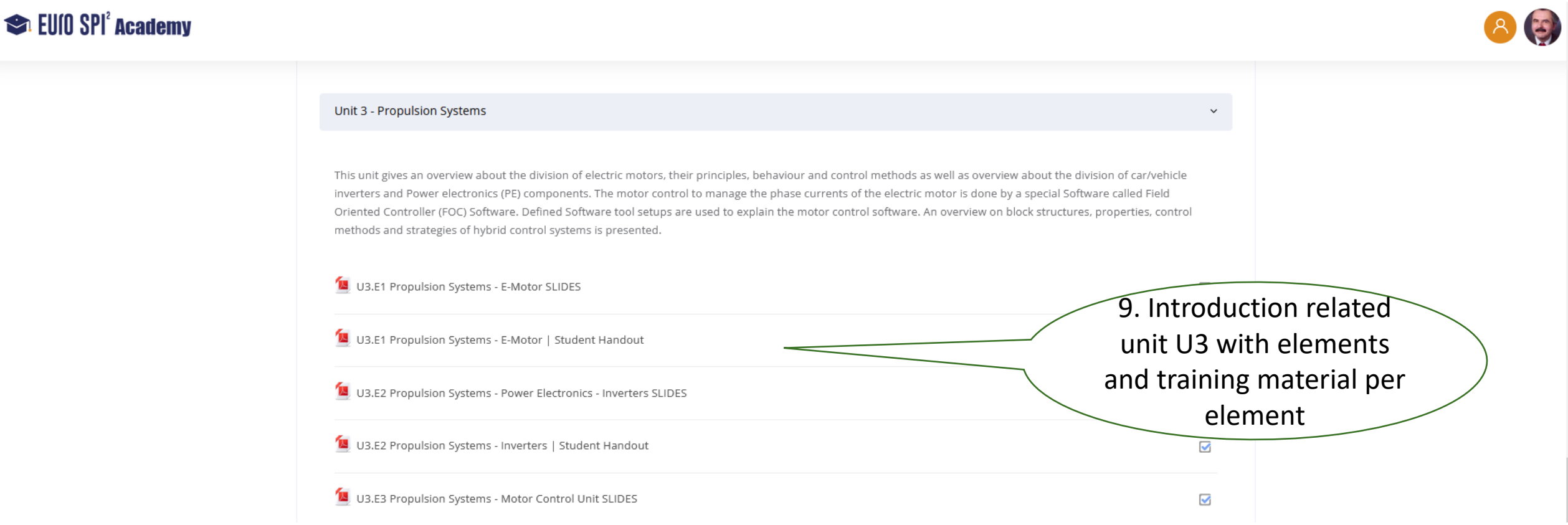

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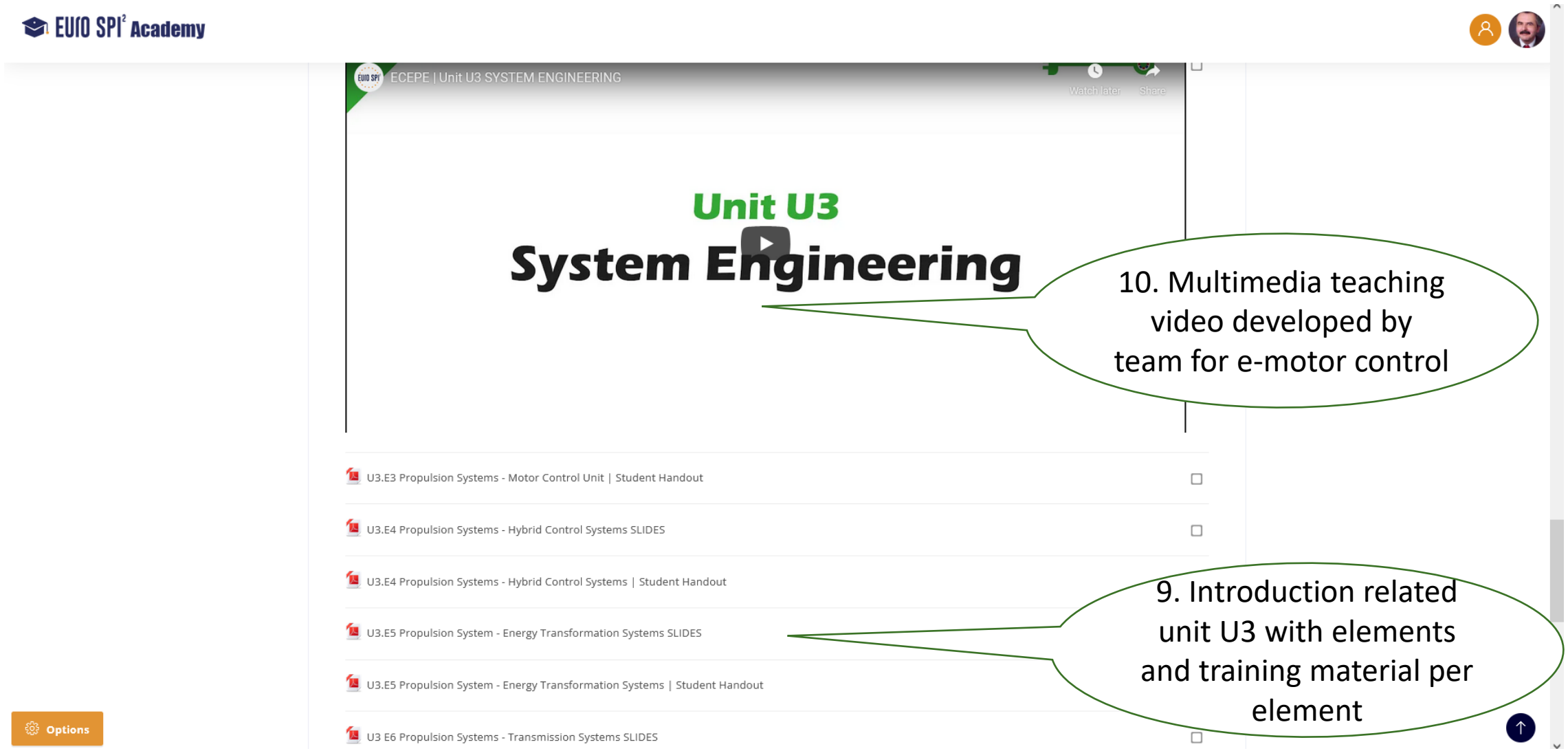

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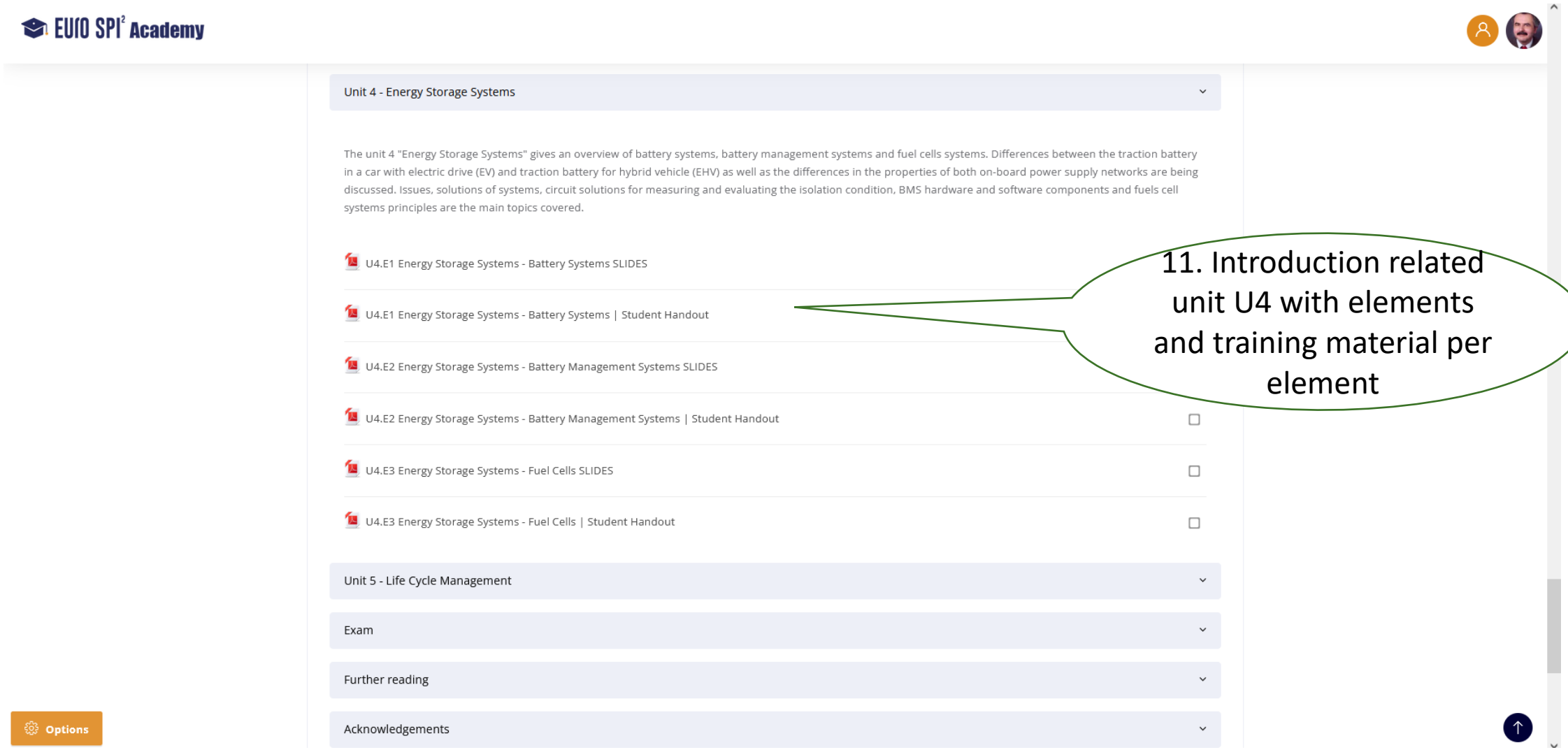

11. Introduction related unit U4 with elements and training material per element

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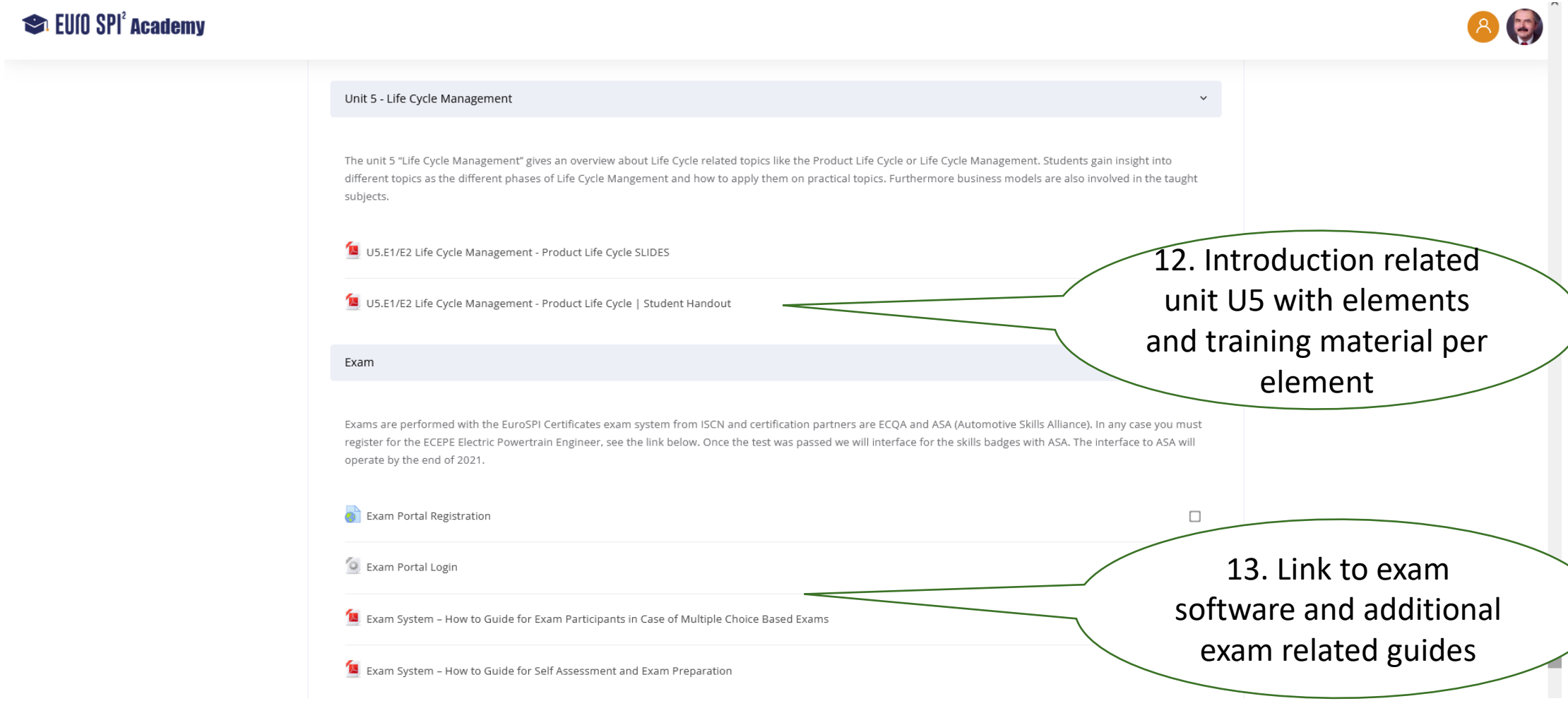

12. Introduction related unit U5 with elements and training material per element

13. Link to exam software and additional exam related guides

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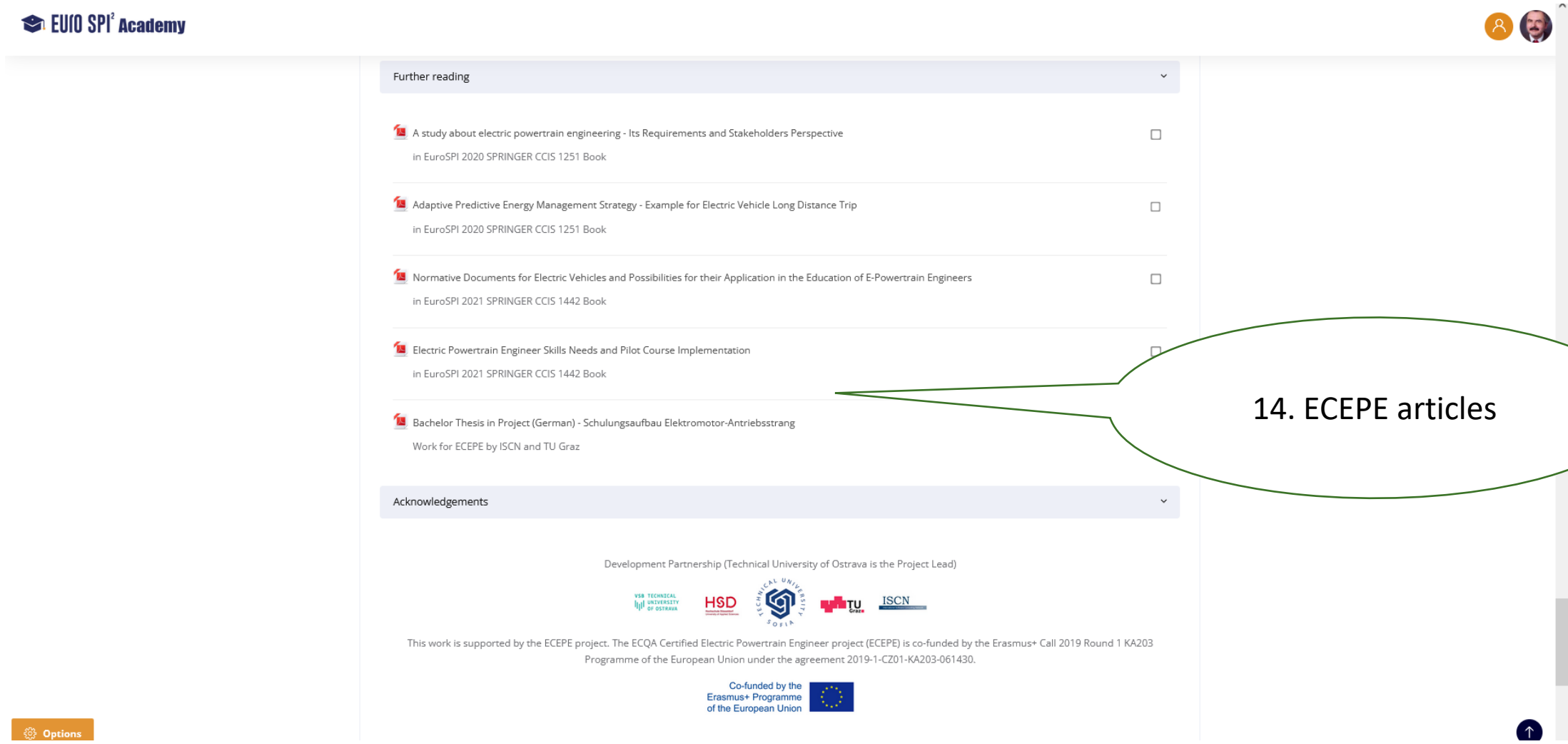

14. ECEPE articles

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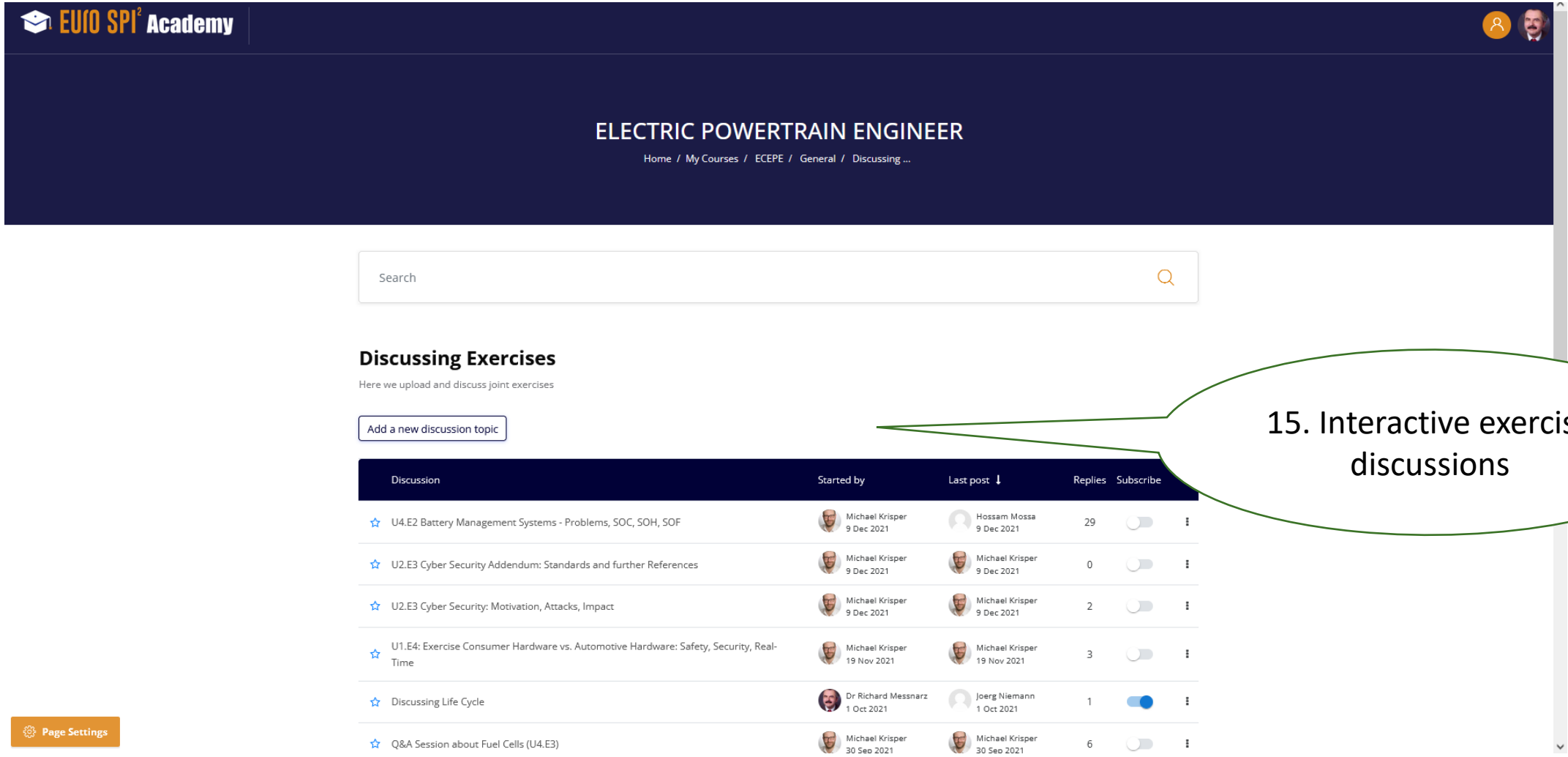
Training Interaction



15. Interactive exercise discussions

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