

College of Natural Resources

Summer 2024

EUROPEAN ENVIRONMENTAL STUDIES SEMINAR

Updated 10/16/23

History of the Seminar:

With the exception of 2020 and 2021 due to the pandemic, students, faculty, and staff from the College of Natural Resources have traveled to Europe since 1973 annually to learn first-hand about European environmental problems and natural resource management practices. This program was initially developed in cooperation with the forest service of the German state of Baden-Württemberg. In subsequent years, visits to Poland and Czech Republic have been added to the itinerary. As a result, the European Environmental Studies Seminar now offers CNR students a unique opportunity to explore a wide breadth of environmental issues and resource management programs in a number of European countries.

Outline of the Seminar: This course is divided into three components.

Spring Semester Orientation, 1 credit

NRES 475/675 – Spring '24 Seminar

Mondays - 4:00-4:50 TNR 352

This orientation provides background information to deepen and enhance the European experience. It also provides an opportunity to prepare logistically for the trip. Portions of the class will be online.

Central WI Environmental Station Field Studies, 2 credits

NRES 475/675 – CWES

Dates: May 20 to May 31, 2024 (one day off over the weekend)

Undergraduates in the College of Natural Resources who are choosing this summer seminar in lieu of Treehaven will attend a two-week summer camp at the Central Wisconsin Environmental Station. This camp will provide students with essential field techniques in forestry, soils, water, wildlife and plant ID.

European Environmental Studies Seminar, 5 credits

NRES 475/675 – Germany/Poland/Czech Republic

Dates: July 2 – August 7, 2024 (tentative)

Included in this seminar are lectures and field studies on environmental problems and resource management practices in Germany, Poland, and other European countries.

Trip Leaders:

Dr. Roland Gong (Sci D276), Paper Science and Chemical Engineering, and
TBD

Trip Leaders lead up to 42 students. Dr. Gong has co-lead the trip two times previously and Leaders will have also worked with long-standing partners in each country we visit for up to a year developing an itinerary prior to departure.

Participants:

Participants may include the following, in order of priority:

Undergraduates attending the College of Natural Resources at the University of Wisconsin-Stevens Point, **who choose this summer seminar in lieu of the six-week Treehaven field experience requirement.** These students must attend the spring seminar class and the two week mini-summer field camp at the Central Wisconsin Environmental Station in May. There has been a waiting list of students from this category almost annually.

Undergraduates and Graduate students attending the College of Natural Resources at UWSP, if space permits and who do not need this summer seminar as part of a graduation requirement. These students are not required to attend the spring orientation and CWES summer 2-week field experience. While in Europe, an independent project will be required and graduate students will also present a seminar on this project. Three to five credits may be earned.

Juniors, Seniors or Graduate Students at the University of Wisconsin-Stevens Point (UWSP) or schools other than UWSP who are not a declared CNR major, if space permits. Environmentally-related majors will be given preference but all will be considered. These students are not required to attend the spring seminar or the CWES program. While in Europe, an independent project will be required and graduate students will also present a seminar on this project. Three to five credits may be earned.

Other participants – Special arrangements can be made for any interested individual, if space permits.

Estimated Program Costs:

Program costs will not be finalized until May 2024 (though we will attempt to do so sooner).

The program cost listed below is an estimate. Final costs variables include number of student participating, program changes and currency exchange rate fluctuations.

Summer 2024 Estimated Program Costs

	Wisconsin Resident undergraduate	Minnesota Resident undergraduate	Midwest Student Exchange undergraduate	Non-Resident Undergraduate
CWES Mini-Camp 2 weeks Food & Lodging	\$660 (\$300-Lodging; \$360 Food)	\$660 (\$300-Lodging; \$360 Food)	\$660 (\$300-Lodging; \$360 Food)	\$660 (\$300-Lodging; \$360 Food)
Tuition, 2 credits	\$525 (plus approx. \$250 in seg fees)	\$606 (plus approx. \$250 in seg fees)	\$787 (plus approx. \$250 in seg fees)	\$1,249 (plus approx. \$250 in seg fees)
CNR Course fees	\$150	\$150	\$150	\$150
CWES estimate total	\$1,585	\$1,666	\$1,847	\$2,309
^ the items above will be billed to your student account by CNR/UWSP ^				
European Seminar fee*	\$9,800	\$9,800 +	\$9,800 +	\$9,800 +
^ the items above will be billed to your student account by the UWSP Office of Int'l Ed ^				
Complete estimate TOTAL	\$11,385	\$11,466	\$11,647	\$12,109

*The European Seminar fee includes 5 credits of tuition, airfare, ground travel, arranged lectures/tours, travel/health insurance, room, and board.

See below for a HIGH estimated cost breakdown for Europe.

+The European Seminar tuition (5 credits) for MN, Midwest, and non-resident students will be more than shown as that estimate is calculated with the WI tuition rate.

(Just for comparison, the estimated **2022 Treehaven summer costs:** Wisconsin resident - \$4,359
Minnesota resident - \$4,605, Midwest Student Exchange - \$5,146, Non-resident - \$6,535)

The final bill from Office of International Education will be submitted to your account at the end of May. This is estimated costs based on 2023 and subject to change due to programming, inflation, currency rate, etc.

University of Wisconsin Stevens Point Office of International Education ESTIMATED PROGRAM COSTS Program: Europe - CNR Seminar Term: Summer 2024 BASED ON SUM'23 ITINERARY - PRICING NOT REC'D & SUBJECT TO CHANGE		
Costs You Pay Directly to UWSP:		
<i>Administrative Fees</i>	\$	625
<i>Room & Meals Included in Program</i>	\$	5,804
<i>Airfare</i>	\$	1,900
<i>Services, Programming and Mandatory Travel Insurance</i>	\$	100
<i>Total Study Abroad Program Fee</i>		\$ 8,429
<i>Tuition</i>		
WI resident, 5 credits	\$	1,371
<i>Adjustment for Partner Institution Tuition</i>	\$	-
Estimated Tuition, WI Residency		\$ 1,371
TOTAL ESTIMATED COST YOU PAY TO UWSP*:		\$ 9,800
Additional Expenses:		
<i>Housing (not included in program or rooming deposit)</i>	\$	-
<i>Local Transportation</i>	\$	250
<i>Meals (not included in program)</i>	\$	300
<i>Books and Supplies</i>	\$	100
<i>Personal Expenses</i>	\$	500
TOTAL ESTIMATED ADDITIONAL EXPENSES:		\$ 1,150
TOTAL ESTIMATED COST:		\$ 10,950
Important Notes		
<p>These costs are estimated for the term listed and are intended to be used for planning purposes. Costs can fluctuate as a result of changes in exchange rates, tuition or airfare increases & varying personal lifestyles. If planning for future academic year, please add 7%. Optional personal travel is not included in this estimate.</p> <p>Tuition and Fees: This estimate does NOT include UWSP Differential Tuition. Consult with Financial Aid to determine your Differential Tuition costs. Host institutions levy tuition charges that are different than WI resident rates. The tuition charges listed are based on Wisconsin residency plus an adjustment for tuition charges from the host institution. Minnesota residents still must add reciprocity. Residents of other states add non-resident fees as follows: \$250 for 3 credits; \$500 for 6 credits; \$750 for 9 credits; \$1000 for 12 - 18 credits.</p> <p>Financial Aid: YOU MUST BE ENROLLED FOR AT LEAST SIX (6) CREDITS DURING SUMMER TERM TO BE ELIGIBLE FOR FEDERAL DIRECT LOANS! If you receive financial aid, only the costs you pay to UWSP will be automatically paid from your aid. If you receive more aid than what you need to pay to UWSP, you will receive a refund. You are responsible for paying all other study abroad costs directly.</p> <p>If you find that required transportation costs or personal expenses are higher than the estimate, these costs may be added to your financial aid budget.</p> <p>Meet with an advisor in the Financial Aid Office early in the acceptance process to discuss how much aid you will receive and how your aid will apply to your study abroad program.</p>		
updated:		10/6/2023

Financial Aid:

Contact the Financial Aid Office for complete information. Students may apply for financial aid to study abroad. Increased financial aid (including student loans) may be provided for the higher costs of study abroad. **First** renew your FAFSA for the 2024-25 academic year, receive your award letter and then have it revised to reflect your increased study abroad costs. It is imperative that you renew your FAFSA **no later than March 1, 2024**. The summer 2024 financial aid award is included in the 2024-25 financial aid year. NOTE: If you did not accept all your current (2023-24) student loan funds, we suggest you reinstate them to help pay for your European Seminar program costs.

Scholarships: CNR Scholarships are available to students who are participating in the European Environmental Studies Seminar who completed the CNR Scholarship application by October 16, 2023 by 11:59 pm. <https://www3.uwsp.edu/cnr/Pages/CNRScholarships.aspx>

Application Process:

1. Step 1: Online CNR-application for the European Environmental Studies Seminar is available at:
<https://www3.uwsp.edu/cnr/ssc/Pages/treehavenInfo.aspx>

CNR Pre-Application deadline – October 30, 2023, at noon

2. Step 2: If accepted from the pre-application process, you will be notified via email by Nov. 10th and asked to complete a **full Office of International Programs application** by Nov. 30th. See “Deadlines” below for more information.

Selection Process and Criteria: Space is limited so the following criteria are used to rank and select interested students.

1. GPA of at least 2.00 in Natural Resources major (including transfer credits)
 - Qualified candidates will be ranked and selected by cumulative GPA (including transfer credits)
2. Completion of NRES 250, 251 at a minimum. Preference will go to those who have also completed NRES 150 and 151 by the end of the spring semester prior to participation.
3. Pass a campus and criminal background check after you are tentatively accepted.
4. Pass NRES 475 (Spring Seminar) and NRES 475 (CWES – 2 credits) in order to participate in NRES 475 (Europe – 5 credits)
5. Reference checks support trip participation.

Deadlines:

Oct 30, 2023 noon	CNR Pre-application due – available on-line at: https://www3.uwsp.edu/cnr/ssc/Pages/treehavenInfo.aspx
November 10, 2023	Notification of tentative acceptance via email by Office of International Education (OIE) and electronic permission given to register for NRES 475 by CNR SSC.
November - Registration Period	Register for NRES 475, 1 credit, Spring European Studies Seminar on your scheduled spring registration time – CNR Student Success Center (TNR 122), will grant you electronic permission.
December 1, 2023	Formal Application to Office of International Education DUE Passports needs to be applied for, <u>no exceptions</u>. Apply for passport through the US Department of State at http://travel.state.gov/content/passports/english.html . DO NOT DELAY! Once you obtain your passport, bring a copy of the photo identification page to the Office of International Education immediately. NOTE: If you already have a passport, it must be valid six months AFTER your return date or February, 2025. If you need assistance, contact the Office of International Education. Proof of vaccination uploaded via the standard university channel on/before November 30. Those applicants who fail to do so will be withdrawn from the program shortly thereafter.
Dec 19, 2023	The \$100 application fee and \$500 non-refundable (but transferable) initial deposit due through the Financial Services office. All fees must be paid prior to departure. Summer 2024 financial aid funds should arrive before you depart if you apply for/renew your 2024 FAFSA by March 1, 2024.
March 1, 2024	Apply/renew your Financial Aid application (FAFSA) for the 2024-2025 academic year.

For More Information:

Information and travel arrangements: Office of International Education

Room 203, Dreyfus University Center (DUC), Stevens Point, WI 54481
Phone: 715-346-2717 FAX: 715-346-3591

General organization and academic program:

Dr. Roland Gong: Sci D276, 715-346-2570, roland.gong@uwsp.edu

For questions on application and logistics:

CNR Student Success Center, TNR 122, 715-346-4081, cnrssc@uwsp.edu

2023 Itinerary for Reference – this will change year to year.

CENTRE OF BIOTECHNOLOGY, SILESIAN UNIVERSITY OF TECHNOLOGY

UW-SP EUROPEAN ENVIRONMENTAL SEMINAR POLAND, 08-20 JULY 2022

Thursday July 06	00:10 p.m.	Arrival in Kraków, Poland
	1:00 p.m.	Lunch in Glogoczów
	2:00 p.m.	Trip to Kluszkowce by bus
	5:30 p.m.	Lecture - Welcome to Poland – Dr hab. T. Skalski
	6:30 p.m.	Lecture – Biodiversity in the Carpathians.” Dr. hab. T. Skalski
	7:30 p.m.	Dinner
Friday July 07	8:00 a.m.	Breakfast
	9:00 a.m.	Lecture - Peat bogs – what can it tell us about the environmental changes? Field methods of Petland surveying. Prof. dr hab. E. Zając
	10:30 a.m.	Field classes - Survey methods of raised bog dynamics and changes. Visiting Natural and postmining sites of raised bogs. Picnic Lunch
	6.30 p.m.	“Peatlands in Poland and Europe: Ecohydrology, functions, management and protection. Prof. dr hab. E. Zając
	7:30 p.m.	Dinner
Saturday July 08	8:00 a.m.	Breakfast
	9:00 a.m.	Lecture/Lab. classes -Natural history of insects, body plan, systematics, identification. Dr hab. T. Skalski
	10:30 a.m.	Lecture – Monitoring of Polish bat populations. Methods, their accuracy and constrains. Dr J. Kohyt
	11:30 a.m.	Lecture: Nature Conservancy in Poland. Polish National Parks. Dr.hab. T. Skalski
	1:00 p.m.	Lunch
	2:30 p.m.	Lecture – Bats in a nutshell: biology, ecology, diversity and behavior. Dr J. Kohyt Lecture/Lab. classes – Echolocation in use (by bats). Detection in use (by human beings). Dr J. Kohyt
	4:00 p.m.	Lecture – Protection of Endangered Species in Tatra National Park. Dr. T. Zwijacz-Kozica
	5:00 p.m.	Lecture – Protection of Endangered Species in Tatra National Park. Dr. T. Zwijacz-Kozica
	7:00 p.m.	Dinner
8.30 p.m.	Field classes – Evening observation of bats activity (Jaworki church). – Dr J. Kohyt	
Sunday July 09	8:00 a.m.	Breakfast
	9:00 a.m.	Lecture – Life in the darkness - cave biology. Dr.hab. Tomasz Skalski
	10:00 a.m.	Lecture –Home sweet home. When and which European bat species inhabit the cave? Dr J. Kohyt
	11:00 a.m.	Field trip – Trip to the Bielska Cave (Tatry Mtn, Slovakia) , dr.hab. T. Skalski dr J. Kohyt. Picnic Lunch
	4:30 p.m.	Lecture - Ecology and behavior of wolf and brown bear in human-dominated landscapes of Europe. Dr K. Bojarska
5:30 p.m.	Lab classes Research methods in studying the ecology of large carnivores lecture and workshop. Dr K. Bojarska	

	6:30 p.m.	Lecture Large mammals in urban and rural areas: new and old aspects of human-wildlife conflict. Dr K. Bojarska
	7:30 p.m	Dinner
Monday July 10	8:00 a.m.	Breakfast
	9:00 a.m.	Research methods in studying the ecology of large carnivores field trip: Dr K. Bojarska, dr hab. T. Skalski
	2:00 p.m.	Lunch
	3:00 p.m.	Field trip summary: data analysis, Dr T. Bojarska
	4:30 pm	Field classes -Plant ID test. Prof. J. Szwagrzyk
	6:00 p.m.	Field classes – Determining tree size class distribution and amount of natural regeneration in forest stands of different management regimes. Prof. J. Szwagrzyk
	8:00 p.m.	Dinner
Tuesday July 11	7:30 a.m.	Breakfast
	8:00 a.m.	Field trip – Gorce National Park - Lubań Conservation value of seminatural habitats. Terrestrial invertebrates and biodiversity data collection. Monitoring of large mammals in Gorce National Park. Prof. J. Szwagrzyk, Dr.hab. T. Skalski, Dr K. Bojarska
		Picnic lunch
	5:30 pm	Lab.classes – Invertebrate data analyses. Dr hab. T. Skalski
	8:00 p.m.	Dinner
Wednesday July 12	8:00 a.m.	Breakfast
	9:00 a.m.	Lecture – Forests and forest management in Poland. Prof. J. Szwagrzyk
	10:00 a.m.	Field Classes: live traps observations and data analysis, Dr T. Bojarska, dr hab. T. Skalski
	2:00 p.m.	Lunch
	3:30 pm	Field classes – Ground water quality assessment - biotic methods: survey planning and collecting of the data. Dr hab.T.Skalski
	5:00 p.m.	Lab. Classes - Identification of freshwater invertebrates to family level, water indices calculations. Dr hab. T.Skalski
	7:00p.m.	Lecture - History and Ecological Significance of the Forest, Prof. J. Szwagrzyk
	.	Dinner
Thursday July 13	7:00 a.m.	Breakfast
	7:30 a.m.	Field trip – visit to Tatra National Park Option 1 - Hike in High Tatra Mts. (more difficult route) Dr. T. Zwijacz-Kozica, Prof. J. Szwagrzyk, Option 2. Easier route, dr Katarzyna Bojarska. Gąsienicowa Glade, Wildlife - tourists conflicts. Option 3 – Hike in Kondratowa Valley (easiest route) dr.hab. T. Skalski (Natural and seminatural mountain habitats – problems of protection)
	7:30 p.m.	Picnic Lunch Late dinner in Zakopane Departure to Krakow
Friday July 14	7:00 a.m.	Breakfast
		Field trip- Visit to Olkusz Forest - severe contaminated environment Prof. J. Szwagrzyk, dr hab. T. Skalski,
	9:00 a.m.	Lecture “Forest Management in Industrial Region” Prof. J.

	9:45 a.m.	Szwagrzyk, Lecture “Impact of heavy metal contamination on soil fauna – consequences for forest ecosystem functioning” Prof. T. Skalski
	11:30 a.m.	Visit the paper mill Velvet CARE in Klucze Prof. dr hab. J. Szwagrzyk, dr hab. T. Skalski
		Picnic lunch
	3:00 p.m	Field trip – Sites of severe polluted forest. Prof. J. Szwagrzyk, dr hab. T. Skalski
	7:00 p.m.	Dinner
Saturday July 15	7:00 a.m.	Breakfast
	7:30 a.m.	Trip to Babia Góra National Park
	9:30 a.m.	Lecture - Bark beetle outbreaks: natural arm race between insect and plants dr hab. T. Skalski
	10:15 a.m.	Lecture - Dynamics of temperate primeval forest prof. J. Szwagrzyk Trip to Babia Góra National Park. Examples of Mountain primeval forest stands.
		Picnic Lunch
	7:30 p.m.	Dinner in Zawoja
Sunday July 16	7:00 a.m.	Breakfast Free time in Kraków
Monday July 17	8:00	Breakfast
	9:00 a.m.	Lecture - Short history of wastewater and wastewater treatment. Dr Grzegorz Cema
	10:00a.m.	Lecture - Introduction to biological wastewater treatment. Modern biological nitrogen removal technologies and were we go with wastewater treatment plants Dr Grzegorz Cema
	11:30 a.m.	Lecture –Water demands in Poland. Environmental consequences for fish and invertebrate communities in Poland. Prof. dr hab. E. Zając, Dr.hab. Tomasz Skalski.
	1:00 p.m.	Lunch
	2:00 p.m	Field classes – Modern Sewage treatment plant. Dr Grzegorz Cema, dr hab. Tomasz Skalski
	6:30 p.m	Free time in Kraków
Tuesday July 18	8:00 a.m.	Breakfast
	9:00 a.m.	Trip to Auschwitz
	2:00 p.m.	Lunch in Hotel
	3.30 p.m.	A guided tour: The history of Poland and natural resources along Royal Route in Kraków dr hab. Tomasz Skalski
	6:30 p.m.	Free time
Wendsday July 19	8:00 a.m.	Breakfast
	9:00 a.m.	Departure to Prague by bus

INTERNATIONAL SEMINAR FOR PARTICIPANTS FROM USA

UNIVERSITY OF WISCONSIN – STEVENS POINT

CZECH REPUBLIC

2023; JULY 19 – 24

programme
travel
dish
culture
accommodation

hardness scale (HS):
 1 is consider as smooth
 10 is considered as extremely demanding

19 July

breakfast	<i>solved by Polish colleagues in Krakow</i>
morning	<i>travel to Czech Rep. (2 hours 30 minutes)</i>
morning I	visit of saw mill Paskov – (Mayr-Melnhof Holz Paskov - MM Holz (mm-holz.com)) lecturer: Ing. Zbyněk Čech (English speaking) brief description: wood industry and wood supply chain issues; Similar programme was applied in 2022 HS: 2
morning	<i>travel to Harcovna (15 minutes)</i>
lunch	<i>Harcovna: https://naharcovne.cz/ (same as in 2019 and in 2022)</i>
afternoon	<i>travel to Šance (30 minutes)</i>
afternoon II	visit of water dam Šance - both of the dam wall interior and of the touristic centre - will be open extraordinary for us: https://infocentrumsance.pod.cz/ ; lecturer: Mr. Katauer (retired dam manager); the programme was applied in 2019 and 2022, this year will be extended; translation - Dr. P. Bednář brief description: water accumulation and potable water processes issues HS: 3
evening	<i>travel to Olomučany (2 hours 20 minutes) – Hotel Olberg (https://olberg.cz)</i>
dinner	<i>Hotel Olberg (https://olberg.cz)</i>
accommodation	<i>Hotel Olberg (https://olberg.cz)</i>

20 July

breakfast	<i>Hotel Olberg (https://olberg.cz)</i>
morning	<i>travel to plots (10 minutes)</i>
morning I	Soil and pedology lecture various examples of different soil types and their typology (European and American classification systems comparison); gradients of water influence and enrichment of soils within same area as the result of topography lecturer: Dr. Aleš Kučera, Mendel University in Brno (English speaking)

		HS: 5 (6)
	morning	<i>travel to Olomučany – to Olberg Hotel</i>
	lunch	Hotel Olberg (https://olberg.cz)
	afternoon	<i>travel to Židlochovice (45 minutes)</i>
	afternoon II	<p>forest management within areas of intensive game breeding activities - game parks and phasantries (Forest Enterprise Židlochovice of State Forest Estate (https://lzzidlochovice.lesy.cz/en/);</p> <p>lecturer: Ing. Milan Novotný; translation by Dr. P. Bednář</p> <p>brief description: presentation of all needed arrangement for intensive breeding and studs of the game – both within the forest stands of the game parks and phasantries and within the game studs as themselves; Similar programme was applied in 2022</p> <p>HS: 2</p>
	afternoon	<p><i>travel to Křtiny – to baroque church of Křtiny - 45 minut</i></p> <p>(https://cs.wikipedia.org/wiki/Kostel_Jm%C3%A9na_Panny_Marie_(K%C5%99tiny))</p>
	afternoon III	<p>Classical music concert in the baroque church of Křtiny – 30 minutes</p> <p>brief description: duet od two young musical player graduated at University of Arts; wind duet of transverse flute and bassoon: “From baroque to nowadays music”;</p> <p>HS: 1</p>
	evening	<i>travel to Olomučany (10 minutes)</i>
	dinner	Hotel Olberg (https://olberg.cz)
	accommodation	Hotel Olberg (https://olberg.cz)
21 July	breakfast	Hotel Olberg (https://olberg.cz)
	morning	<p><i>travel to Křtiny (10 minutes)</i></p>
	morning I	<p>Presentation: “We create diversified forests for the climate change and future generations”; by Assoc. Prof. Tomáš Vrška (English speaking)</p> <p>brief description: introduction to the topic of the enhancement of the forest resistance and resilience under global climate change – background for subsequent field part (probably arranged in <i>Chateau Křtiny</i> (https://www.zamek-krtiny.cz/en/chateau-restaurant/)); Similar programme was applied in 2022</p> <p>HS: 1</p> <p>PART I: lecture of silviculture and various forestry models applied to mitigate global climate change impact;</p>
	morning II	<p>lecturers: Assoc. Prof. Tomáš Vrška and Dr. Lumír Dobrovolný (Masaryk Forest - Training Forest Enterprise of Mendel University in Brno; https://www.slpkrtiny.cz/; or see:); both lecturers are English speaking;</p> <p>brief description: presentation of various silviculture models and practical training of tree marking to improve forest structure, biodiversity, productivity and resilience of</p>

		the forest stands (within "Marteloscope" plot); Similar programme was applied in 2022
		HS: 4 (5)
	lunch	Hotel Olberg (https://olberg.cz)
	afternoon III	<p>PART II: lecture of silviculture and various forestry models applied to mitigate global climate change impact;</p> <p>lecturers: Assoc. Prof. Tomáš Vrška and Dr. Lumír Dobrovolný (Masaryk Forest - Training Forest Enterprise of Mendel University in Brno; https://www.slpkrtiny.cz/; or see:); both lecturers are English speaking;</p> <p>brief description: presentation of various silviculture models and practical training of tree marking to improve forest structure, biodiversity, productivity and resilience of the forest stands (within "Marteloscope" plot); Similar programme was applied in 2022</p> <p>HS: 4 (5)</p> <p>EMS Brno visit - http://www.emsbrno.cz/p.axd/en/Main.Page.html</p> <p>Lecturer: Ing. Jiří Kučera (English speaking)</p> <p>brief description: ecosystem measurement systems presentation by the company that is developing and manufacturing them</p>
	afternoon II - optional	<p>HS: 1</p>
	dinner	Hotel Olberg (https://olberg.cz)
	accommodation	Hotel Olberg (https://olberg.cz)
22 July	breakfast	Hotel Olberg (https://olberg.cz); LEAVING THIS HOTEL after breakfast
	morning I	Presentation: Large-scale forest disturbance by drought and bark beetle - theoretical background (30 minutes); lecturer: Dr. P. Bednář – 30 minutes
	morning	<p>travel to Měřín Forest Estate (1 hour 30 minutes)</p> <p>large-scale forest disturbance by drought and bark beetle - Měřín Forest Estate - practical examples;</p> <p>lecturers: Ing. Pavel Bambula (translated by P. Bednář) + lecture by Dr. P. Bednář;</p>
	morning II	<p>brief description: presentation of large scale disturbance of pure conifer forest stands after drought stress by insect agents and subsequent issues of the reforestation of those sites. Similar programme was applied in 2022</p> <p>HS: 4</p>
	morning	travel to Rytířsko (30 minutes)
	lunch	Rytířsko Restaurant (https://www.hotelrytirsko.cz/) (the same as in 2022)
	afternoon	travel to Kocanda (cca 40 minutes)
	afternoon III	<p>Žákova Hora Nature Preserve + Transformation of Pure Conifer Stands into mixed close-to-nature forests + silvicultural and eco-physiological research – presented at equipped research plot; similar programme was applied in 2019 and in 2022</p> <p>lecturer: Dr. P. Bednář;</p>

		<p>brief description: a) presentation of nature preserve processes and the implementation of nature automation principles to managed forests; b) pure, even-aged conifer forest stands (monocultures) transformation to uneven-aged mixed forest stands – results after 30 years of the process; c) forest ecophysiology, forest microclimate and water regime of the diverse (mixed and uneven-aged) forest compared to pure even-aged part – practical demonstration of the equipped research plots and results from measurements</p> <p>HS: 6</p>
	afternoon	travel to Průhonice near Prague (1 hour 50 minutes)
	dinner	Hotel Floret in Průhonice (https://floret.cz/en/)
	accommodation	Hotel Floret in Průhonice (https://floret.cz/en/)
23 July	breakfast	Hotel Floret in Průhonice (https://floret.cz/en/)
	morning	travel to Prague (30 minutes)
	morning I	<p>visit of Prague</p> <p>HS: 4-5</p>
	afternoon II	<p>visit of Prague</p> <p>HS: 4-5</p>
	evening	travel to Průhonice (30 minutes)
	dinner	Hotel Floret in Průhonice (https://floret.cz/en/)
	accommodation	Hotel Floret in Průhonice (https://floret.cz/en/)
24 July	breakfast	Hotel Floret in Průhonice (https://floret.cz/en/); LEAVING THIS HOTEL after breakfast
	morning	travel to Germany

UWSP at Hornberg Castle 2023	
Day	Excursion
24-Jul	Arrival
25-Jul	Swabian alp
26-Jul	at the castle, browsing, environmental ed.
27-Jul	Lake constance
28-Jul	Stuttgart, environmental education
29-Jul	full day at the castle, freetime
30-Jul	full day at the castle, freetime
31-Jul	full day at the castle, freetime
1-Aug	wetlands / forest treetop walk
2-Aug	Black Forest NP
3-Aug	FVA
4-Aug	Tourism, conservation - Feldberg
5-Aug	Winery + Green City Freiburg
6-Aug	free day in Freiburg
7-Aug	Forestry and Salmon
8-Aug	full day at the castle, study
9-Aug	Departure

Primary Residence in Germany:
Waldschulheim Burg Hornberg near Altensteig
<https://waldschulheim-burghornberg.forstbw.de/>