

*International Field Studies in Natural Resource Management*  
*Syllabus –2019*  
*(July 5, 2019 through August 7, 2019)*

<b>Instructors:</b>	<b>Dr. Paul Doruska (Forestry)</b>	<b>Dr. Kendra Liddicoat (Environmental Education)</b>
	<b>TNR 269</b>	<b>TNR 110D</b>
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**Text Book:** There is no assigned text for this class. Information will be delivered through formal lectures, field trips, and handouts. Students will be tested on lecture, field trip, and handout materials/topics.

**Objectives:** This 5-credit field course is an examination of environmental issues, policies, decision-making processes, and associated resource management practices in Poland, the Czech Republic and Germany. Country-specific itineraries (subject to change based on unforeseen circumstances) are provided later in this document. By the end of the time in Europe, participants will be expected to:

**Poland:** Describe issues and management practices associated with hydromorphology and water flow (with emphasis on rivers and streams), wildlife (with special emphasis on bats), biodiversity protection, forest ecology and management, and environmental contamination.

**Czech Republic:** Describe mechanisms used to examine climate change impacts on ecosystems.

**Germany:** Describe issues and management practices associated with forestry (with emphasis on oak silviculture, old growth forests, browse damage, and urban forest issues, wildlife management (with emphasis on the Black Forest), flood management and river restoration, conservation and land use planning (with emphasis on the Kaiserstuhl region).

Students are strongly encouraged to take and keep good notes during all aspects of this field experience-based course. Students are also encouraged to keep a journal of their activities/experiences to have both during the course and perhaps more importantly, to have well after the experience has concluded. Both one's notes and one's journal are about the only way to truly document and keep track of everything one experienced during this field seminar.

**Course Grading (grade in course based on cumulative percent):**

92.5 or higher	A	87.5-89.9	B+	77.5-79.9	C+	67.5-69.9	D+
90.0-92.4	A-	82.5-87.4	B	72.5-77.4	C	60.0-67.6	D
		80.0-82.4	B-	70.0-72.4	C-	<60.0	F

**COURSE POINTS – 400 POINTS TOTAL**

***Exams and plant test (160 Points in all)***

Poland plant quiz:	20 points
Exam 1 – Poland:	60 points
Exam 2 – Czech Republic:	20 points
Exam 3 – Germany:	60 points

***Area of Expertise Presentation (30 Points)***

***Attendance (40 Points)***

***Participation in activities (60 Points)***

***Professionalism (40 Points)***

***Compare/Contrast written summary (60 points)***

***GEP Reflection (10 Points)***

Attendance is mandatory for all scheduled activities, including lectures! Each unexcused absence will result in a **10 point reduction in the Attendance grade (note scores can go negative here)**. Students will be enthusiastic, active, and attentive participants in all scheduled academic programs. Participation points will reflect the degree to which students participate in the program and professionalism points reflect the degree of positive conduct throughout. Each non-participation and each incident of non-professional behavior will result in a 10 point deduction (**note scores can go negative here**).

**Misconduct will result in a drop of 1 full letter grade per incident.** Three incidents involving lesser misconduct will result in separation from the program. One incident involving major misconduct can lead to immediate separation from the program and automatic failure of the course.

**Misconduct is defined as:**

- 1. Conduct that is detrimental to the objectives of the program of study.**
- 2. Conduct that is detrimental to relations between UWSP and the host country/university or their designees.**
- 3. Conduct that requires intervention on the student's behalf by the leaders or classmates.**
- 4. Conduct that puts an individual, classmate(s), instructor(s), or host(s) at risk**
- 5. Conduct that interferes with the academic nature of this program or the ability of others to participate fully in the program.**
- 6. Harassment (including but not limited to physical, personal, discriminatory, psychological, cyberbullying, and sexual) of any kind.**

Students will abide by the laws of the host countries. Illegal actions and activities will result in the notification of the local authorities and separation from the program. All issues of misconduct will also be reported to the UWSP Dean of Students Office.

**Students with Disabilities:**

The university has a legal responsibility to provide accommodations and program access as mandated by Section 504 and the Americans with Disabilities Act (ADA). The university's philosophy is to not only provide what is mandated, but also convey its genuine concern for one's total well-being. If accommodations are needed, please contact –AT LEAST TWO WEEKS PRIOR TO DEPARTURE– the instructor as well as the Disability Services and Adaptive

Technologies Center, 609 Library Resources Center, voice (715) 346-3365 or TDD (715) 346-3362

#### University of Wisconsin Stevens Point College of Natural Resources-Principles of Professionalism

The College of Natural Resources at the University of Wisconsin – Stevens Point prepares students for success as professionals in many fields. As a professional, there are expectations of attainment of several personal characteristics. These include:

##### Integrity

Integrity refers to adherence to consistent moral and ethical principles. A person with integrity is honest and treats others fairly.

##### Collegiality

Collegiality is a cooperative relationship. By being collegial you are respecting our shared commitment to student education through cooperative interaction. This applies to all involved in the process: students, staff, faculty, administration and involved community members. You take collective responsibility for the work performed together, helping the group attain its goals.

##### Civility

Civility refers to politeness and courtesy in your interactions with others. Being civil requires that you consider the thoughts and conclusions of others and engage in thoughtful, constructive discussion to express your own thoughts and opinions.

##### Inclusivity

Inclusivity requires you to be aware that perspective and culture will control how communication is understood by others. While many values are shared, some are quite different. These differences in values should be both considered and respected.

##### Timeliness

Timeliness is the habit of performance of tasks and activities, planned in a way that allows you to meet deadlines. This increases workplace efficiency and demonstrates respect for others' time.

##### Respect for Property

Respect for property is the appreciation of the economic or personal value an item maintains. Maintaining this respect can both reduce costs (increase the operable life of supplies and equipment) as well as demonstrate respect for others rights.

##### Communication

Professional norms in communication require that you demonstrate the value of your colleagues, students, professors or others. The use of appropriate tone and vocabulary is expected across all forms of communication, whether that communication takes place face to face, in writing or electronically.

##### Commitment to Quality

Quality is the ability to meet or exceed expectations. By having a commitment to quality, we intend to provide a learning environment that is conducive to learning. Intrinsic to this commitment to quality is defining expectation (committed to in a syllabus through learning outcomes), implementation (with quality control in place) and assessment (where meeting of learning outcomes is determined).

##### Commitment to Learning

Learning is a lifelong process. By being committed to learning you are providing a model for all to follow. This model is not only professor to student but involves all combinations of people within our university and broader community

Adherence to this compact is required of the faculty and staff of the College of Natural Resources and of all students enrolled in College of Natural Resources courses.

Academic misconduct will not be tolerated.

Note the following as per the Univ. of Wisc.-Stevens Point Community Bill of Rights and Responsibilities:

**UWSP 14.03 ACADEMIC MISCONDUCT SUBJECT TO DISCIPLINARY ACTION.**

(1.) Academic misconduct is an act in which a student:

- (a) Seeks to claim credit for the work or efforts of another without authorization or citation;
  - (b) Uses unauthorized materials or fabricated data in any academic exercise;
  - (c) Forges or falsifies academic documents or records;
  - (d) Intentionally impedes or damages the academic work of others;
  - (e) Engages in conduct aimed at making false representation of a student's academic performance;
- or
- (f) Assists other students in any of these acts.
  - (g) Violates electronic communication policies or standards as agreed upon when logging on initially (See [uwsp.edu/it/policy](http://uwsp.edu/it/policy)).

(2) Examples of academic misconduct include, but are not limited to: cheating on an examination; collaborating with others in work to be presented, contrary to the stated rules of the course; submitting a paper or assignment as one's own work when a part or all of the paper or assignment is the work of another; submitting a paper or assignment that contains ideas or research of others without appropriately identifying the sources of those ideas; stealing examinations or course materials; submitting, if contrary to the rules of a course, work previously presented in another course; tampering with the laboratory experiment or computer program of another student; knowingly and intentionally assisting another student in any of the above, including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.

**UWSP 14.04 DISCIPLINARY SANCTIONS.**

(1) The following are the disciplinary sanctions that may be imposed for academic misconduct in accordance with the procedures of s. UWSP 14.05, 14.06 or 14.07:

- (a) An oral reprimand;
- (b) A written reprimand presented only to the student;
- (c) An assignment to repeat the work, to be graded on its merits;
- (d) A lower or failing grade on the particular assignment or test;
- (e) A lower grade in the course;
- (f) A failing grade in the course;
- (g) Removal of the student from the course in progress;
- (h) A written reprimand to be included in the student's disciplinary file;
- (i) Disciplinary probation; or
- (j) Suspension or expulsion from the university.

(2) One or more of the disciplinary sanctions listed in sub. (1) may be imposed for an incident of academic misconduct.

Some useful conversions courtesy of Avery and Burkhart (2002)

APPENDIX TABLE 1  
SELECTED CONVERSIONS: ENGLISH TO METRIC UNITS

Length		
Multiply	by	to obtain
Inches	25.40	millimeters (mm)
Inches	2.54	centimeters (cm)
Feet	30.480	centimeters (cm)
Feet	0.3048	meters (m)
Yards	0.9144	meters (m)
Chains (Gunter's)	20.1168	meters (m)
U.S. statute miles	1.6093	kilometers (km)
Nautical miles	1.852	kilometers (km)
Area		
Square inches	645.16	square millimeters (mm <sup>2</sup> )
Square inches	6.4516	square centimeters (cm <sup>2</sup> )
Square feet	929.03	square centimeters (cm <sup>2</sup> )
Square feet	0.0929	square meters (m <sup>2</sup> )
Square yards	0.8361	square meters (m <sup>2</sup> )
Square chains	404.6856	square meters (m <sup>2</sup> )
Acres	0.4047	hectares (ha)
Square miles	2.5899	square kilometers (km <sup>2</sup> )
Volume		
Cubic inches	16.387	cubic centimeters (cm <sup>3</sup> )
Cubic feet	0.02832	cubic meters (m <sup>3</sup> )
Cubic yards	0.7646	cubic meters (m <sup>3</sup> )
Special conversions		
Square feet per acre	0.2296	square meters per hectare (m <sup>2</sup> /ha)
Cubic feet per acre	0.06997	cubic meters per hectare (m <sup>3</sup> /ha)
Cubic feet per second	101.941	cubic meters per hour (m <sup>3</sup> /h)
Feet per second	1.097	kilometers per hour (km/h)
Gallons per acre	11.2336	liters per hectare (l/ha)
Gallons per minute	0.0757	liters per second (l/s)
Pounds per acre	1.1208	kilograms per hectare (kg/ha)
Pounds per cubic foot	16.0185	kilograms per cubic meter (kg/m <sup>3</sup> )
Number (e.g., stems) per acre	2.471	number per hectare (no./ha)

Avery, T.E. and H.E. Burkhart. 2002. Forest Measurements (5<sup>th</sup> edition). McGraw Hill, Boston MA. 456p.

The tentative schedule follows on the next pages. Please note the schedule is subject to change as we are working with many hosts in two different countries)

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**JAGIELLONIAN UNIVERSITY  
SUMMER SCHOOL OF POLISH LANGUAGE AND CULTURE  
CENTRE OF BIOTECHNOLOGY, SILESIAN UNIVERSITY OF  
TECHNOLOGY**

**UWSP EUROPEAN ENVIRONMENTAL SEMINAR  
POLAND, 06-18 JULY 2019**

**Poland Summer 2019**

<b>Saturday July 06</b>	12:10 p.m.	Arrival in Kraków, Poland
	<b>1:30 p.m.</b>	<b>Lunch in Głogoczków</b>
	2:30 p.m.	<b>Trip to Szaflary by bus</b>
	5:30 p.m.	<b>Lecture – “Biodiversity in the Carpathians.” Dr. T. Skalski</b>
	<b>7:00 p.m.</b>	<b>Dinner</b>
<b>Sunday July 07</b>	<b>8:00 a.m.</b>	<b>Breakfast</b>
	9.00 a.m.	<b>Lecture – “Biodiversity Methods – Survey, evaluation and monitoring in Europe” Dr. T. Skalski</b>
	10:30 a.m.	<b>Lecture/Lab. classes –“ Natural history of insects, body plan, systematics, identification” dr T. Skalski</b>
	11:30 a.m.	<b>Lecture - Wooden architecture - Traditional Polish Mountain Wood Constructions and Framing Techniques. :- ing. Bartosz Radecki-Pawlik</b>
	<b>1:00 p.m.</b>	<b>Lunch in Szaflary</b>
	1:45 p.m.	<b>Trip to Orawa Ethnographic Park ing. Bartosz Radecki-Pawlik, dr Tomasz Skalski</b>
	<b>7:00 p.m.</b>	<b>Dinner</b>
<b>Monday July 08</b>	<b>8:00 a.m.</b>	<b>Breakfast</b>
	9:00 a.m.	<b>Lecture – “Monitoring of Polish bat populations. Methods, their accuracy and constrains” dr J. Kohyt</b>
	10:00 a.m.	<b>Field classes –“ Planning biodiversity monitoring - Rapid biodiversity assessment methods using invertebrates” dr T. Skalski</b>
	11:30 a.m.	<b>Lecture – “Bats in a nutshell: biology, ecology, diversity and behavior” dr J. Kohyt</b>
	<b>1:00 p.m.</b>	<b>Lunch in Szaflary</b>
	2:30 p.m.	<b>Lecture “Fish communities in the vicinity of Szaflary-Niedzica Dam” Dr. Tomasz Skalski</b>
	4:00 p.m.	<b>Lecture/Lab. classes – “Echolocation in use (by bats). Detection in use (by human beings)” dr J. Kohyt</b>
	5:30 p.m.	<b>Lecture: “Polish National Parks” dr T. Skalski</b>
	<b>6:30 p.m.</b>	<b>Dinner</b>
8:00 p.m	<b>Field classes – “Evening observation of bats activity (Jaworki church)” – dr J. Kohyt,</b>	

<b>Tuesday</b> <b>July 09</b>	8:00 a.m.	<b>Breakfast</b>
	9:00 a.m.	<b>Lecture</b> – “Life in the darkness - cave biology” dr Tomasz Skalski
	10.30 a.m.	<b>Lecture</b> – “Home sweet home. When and which European bat species inhabit the cave?” dr J. Kohyt
		<b>Field trip</b> – Trip to the Bielska Cave (Tatry Mtn, Slovakia), dr T. Skalski dr J. Kohyt,
	11:30 a.m.	<b>Lunch packs</b>
		<b>Lecture</b> – “Nature conservancy in Poland” dr T. Skalski
	4:00 p.m.	<b>Lecture</b> – “Protection of Endangered Species in Tatra National Park” Dr. T. Zwijacz-Kozica
	5:00 p.m.	
	<b>7:00 p.m.</b>	<b>Dinner</b>
<b>Wednesday</b> <b>July 10</b>	8:00 a.m.	<b>Breakfast</b>
	9:00 a.m.	<b>Lecture</b> – “Hydromorphology of mountain streams in Poland: methods of measurements and status” Prof. A. Radecki-Pawlik
	9.30 a.m.	<b>Lecture</b> – “Determination of bankfull discharge and actual discharge in the river channel”. Prof. A. Radecki-Pawlik
	10:30 a.m.	<b>Field classes</b> – 1.”Finding research reach, measuring water velocity and calculating bankfull and actual river discharge.” 2.”Describing and determination of gravel bed river channel and grain size curve. Prof. A. Radecki-Pawlik
	12.30 a.m.	<b>Field classes</b> –Ground water quality assessment - biotic methods: survey planning and collecting of the data” Dr.T.Skalski
	<b>2:00 p.m.</b>	<b>Lunch in Szaflary</b>
	3:30 p.m.	<b>Lab. Classes</b> - Identification of freshwater invertebrates to family level, water indices calculations Dr. T.Skalski
	4:30 p.m.	<b>Field classes</b> - Result analysis and discussion Prof. A. Radecki-Pawlik, Dr. T.Skalski
	6:00 p.m.	Ecology and behavior of wolf and brown bear in human-dominated landscapes of Europe dr K. Bojarska
	<b>7:30 p.m</b>	<b>Dinner</b>
<b>Thursday</b> <b>July 11</b>	8:00 a.m.	<b>Breakfast</b>
	9:00 a.m.	Large mammals in urban and rural areas: new and old aspects of human-wildlife conflict dr K. Bojarska
	11:00 a.m.	Research methods in studying the ecology of large carnivores lecture and workshop dr K. Bojarska
	1:00p.m.	<b>Lunch in Szaflary</b>
	2:00 p.m.	Research methods in studying the ecology of large carnivores field trip: dr K. Bojarska, dr T. Skalski
	7:00 p.m.	Field trip summary: data analysis dr T. Bojarska
	8:00 p.m.	<b>Dinner</b>



<b>Friday July 12</b>	8:00 a.m.	<b>Breakfast</b>
	8:30 a.m.	<b>Lecture</b> “Conservation value of seminatural habitats Dr. Tomasz Skalski
	10:00 a.m.	<b>Field trip</b> – Gorce National Park - Kiczora “Terrestrial invertebrates and biodiversity data collection” dr K. Bojarska, Dr.T. Skalski, dr J. Loch Optional: “ Boulder ramps as an element of environmental friendly river training works” Prof. A. Radecki-Pawlik
		<b>Picnic lunch</b>
	6:00 p.m.	<b>Lab.classes</b> – “Invertebrate data analyses”
	7:30p.m.	<b>Dinner</b>
<b>Saturday July 13</b>	8:00 a.m.	<b>Breakfast</b>
	9:00 a.m.	<b>Lecture</b> – “History and functions of the Szaflary-Niedzica Dam” Prof. A. Radecki-Pawlik
	9:30 a.m.	<b>Field trip</b> – visit to Szaflary Castle, Szaflary Niedzica Dam
	12:30 a.m.	<b>Field classes</b> -“Plant ID test” Prof. J. Szwagrzyk
	2:00 p.m.	<b>Lunch in Szaflary</b>
	3:30 pm	<b>Lecture</b> – “Forests and forest management in Poland“ Prof. J. Szwagrzyk
	4:30pm	<b>Field classes</b> – “Determining tree size class distribution and amount of natural regeneration in forest stands of different management regimes” Prof. J. Szwagrzyk
	7:00 pm	<b>Lecture</b> - History and Ecological Significance of the Forest, Prof. J. Szwagrzyk
8:00pm	<b>Dinner</b>	
<b>Sunday July 14</b>	7:00 a.m.	<b>Breakfast</b>
	8:00 a.m.	<b>Field trip</b> – visit to Tatra National Park Dr. T. Zwijacz-Kozica Option 1 - Hike in High Tatra Mts. (more difficult route) Prof. J.Szwagrzyk, Dr.T. Skalski Option 2 – Hike in Kościeliska Valley (easier route) Prof. A. Radecki-Pawlik (Natural mountain stream and stream engineering problems)
		<b>Picnic Lunch</b>
	7:00 p.m.	<b>Late dinner in Zakopane</b> <b>Departure to Krakow</b>
<b>Monday July 15</b>	8:00 a.m.	<b>Breakfast</b> <b>Free time in Kraków</b>
<b>Tuesday July 16</b>	7:00 a.m.	<b>Breakfast</b>
	8:00 a.m.	<b>Field trip-</b> Visit to Olkusz Forest - severe contaminated environment Prof. J. Szwagrzyk, dr T. Skalski,
	9:00 a.m.	<b>Lecture</b> “Forest Management in Industrial Region” Prof. J. Szwagrzyk,
	9:45 a.m.	<b>Lecture</b> “Impact of heavy metal contamination on soil fauna – consequences for forest ecosystem functioning” Dr T. Skalski, dr R. Kedzior
	10:30 a.m.	<b>Field trip</b> – Sites of severe polluted forest. Prof. J. Szwagrzyk, dr T. Skalski,

1:00 p.m. **Picnic lunch** then 2:00 p.m. **Trip to Auschwitz**

<b>Wednesday</b>	<b>7:00 a.m.</b>	<b>Breakfast</b>
<b>July 17</b>	<b>8:00 a.m.</b>	<b>Trip to Babia Góra National Park</b>
	<b>10:00 a.m.</b>	<b>Lecture:</b> Hydromorphology nad river engineering of the Babia Gora catchment mountain streams and rivers: the Skawica and the Jalowiecki. Prof. A. Radecki-Pawlik
	<b>10:45 a.m.</b>	<b>Lecture:</b> Bark beetle outbreaks: natural arm race between insect and plants dr T. Skalski
	<b>11:30 a.m.</b>	<b>Lecture:</b> Dynamics of temperate primeval forest prof. J. Szwagrzyk
	<b>0:15 p.m.</b>	Trip to Babia Góra National Park. Examples of Mountain primeval forest stands.
	<b>1:30 p.m.</b>	<b>Picnic Lunch</b>
	<b>7:30 p.m.</b>	<b>Dinner in Zawoja</b>
<b>Thursday</b>	<b>8:30 a.m.</b>	<b>Breakfast</b>
<b>July 18</b>	<b>10:00 a.m.</b>	Departure to Czech Republic by bus

**Useful phone numbers for emergency only use when in Poland**

**Tomasz Skalski: (mobile) 011 48 606 962 266**

**Jurek Szwagrzyk : (mobile) 011 48 696 372 469**

## Czech Republic 2019

18 July:

half day of the issue "large-scale disturbance of managed forests within the context of global climate change" - close to the town of Ostravice; half day of the issue "hydrology and hydrological balance of small forest water streams basin" + methods of research and the issue of modelling of water out-flow;

19 July:

half day of the issue "methods of eco-physiological measurements" on the research station of Domanínek (greenhouses with agricultural crops – simulated conditions) and huge experiment with poplar plantations; half day: transformation into close-to-nature forestry within the forest enterprise close to the town of Žďár nad Sázavou.

20 July:

half day of Field-Map training course (town Jílové u Prahy) - close to Prague; half day of practical physiological course about the physiological stage of buds of Norway spruce (or conifers in general); evening free time in Pilsen

21 July:

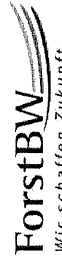
transport to Burg Hornberg

**Useful phone numbers for **emergency only** use when in Czech Republic**

**If not updated before we leave, Contact OIE for emergencies as we will be on the move much of the time**

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University of Wisconsin – Stevens Point, College of Natural Resources  
 48. International Environmental Studies Seminar, Burg Hornberg, 21.07. – 07.08.2019



**Week 1**

Sun, 21.07.2019	Mon, 22.07.2019	Tue, 23.07.2019	Wed, 24.07.2019	Thur, 25.07.2019	Fri, 26.07.2019	Sat, 27.07.2019
Horberg Castle	Horberg Castle	Horberg Castle	Horberg Castle	Horberg Castle		
ARR: _____ by Bus	08:00 at Castle <b>Browsing measurement</b> (field trip; Hettinger) <b>Environmental Education</b> at Waldschulheim Burg Hornberg (field trip; Klenk)	DEP: 07:30 for Ruhestein <b>Wildlife management</b> in the Black Forest National Park. (field trip; Schneider)	DEP: 07:00 for Münsingen <b>Biosphere reserve</b> <b>Swabian Alb</b> snail farming, horse breed Marbach, buffalo farming (field trip; Prof. Dr. Abele)	DEP: 07:00 for Stuttgart 6:00 Breakfast <b>8:30 Urban forestry</b> (field trip; Thombansen)		
Intro (Klenk, Fischer)	Afternoon: Walk to Altensteig; back to Castle by public bus 18:00 Dinner	Stop in Freudenstadt 18:00 Dinner - After dinner (19.30): 'What you always wanted to know about the Honey Bee' (Schölller)	18:00 Dinner	<b>Drop students at Stuttgart Hbf: 12:00</b>	Free time	Free time

hunting (Leisler) small group hunting?

**Week 2**

Sun, 28.07.2019	Mon, 29.07.2019	Tue, 30.07.2019	Wed, 31.07.2019	Thur, 01.08.2019	Fri, 02.08.2019	Sat, 03.08.2019
Hornberg Castle	Hornberg Castle	Hornberg Castle	University House Schauinsland/ Black forest	University House Schauinsland/ Black forest	Hornberg Castle (HC)	Hornberg Castle
	6:30 Breakfast	6:00 Breakfast	6:00 Breakfast	DEP 08:00 Round trip Bus with short walks	Leave UH: 08:00 Downhill walk starting at the UH	7:15 Breakfast
	DEP: 07:30 for Kaltenbronn at Kaltenbronn (field trip; Dr. Strobel)	DEP: 7:00 for Lake Const.	DEP: 07:00 for Kaiserstuhl	DEP 08:00 Round trip Bus with short walks	Water starting 1st ways Catchment area in intensively used forest under different ownership and substantial changes.	DEP 8:15 by Bus
	<b>Wetland Management</b> (field trip; Dr. Strobel)	<b>Wollmatinger Ried</b> Environmental education, tourism, neozoen (field trip; Becker)	<b>Working for Wine</b> "Cultural Landscape" shaped by this effort Introduction to the tiny but unique area "Kaiserstuhl"	<b>Water at work</b> water management in the past, today and for the future	Following the water all the way downhill to the River Rhine.	<b>"Water is born"</b> guided Tour down to the subsurface-wells of the "Schwarzwald Sprudel" Blackforest-mineralwater company. How "Drinking Water" is being produced and what that means for the management of catchment areas.
Free time	<b>Nature friendly tourism</b> Treetop Walk, forest conservation (field trip; Köhl)	<b>Lake constance supply</b> (field trip, Busjahn) <b>Dinner / swimming at the Lake</b> <b>One step into Switzerland - Stein am Rhein</b>	Conservation and development of small-scale land use and environmental management. To know and use site specifications towards forestry and organic viticulture. Lookout: Rhine Valley- Kaiserstuhl - Central Black Forest. See 3 Countries at once, geographic overview	<b>Ancient Sewage farm</b> converted to conservational area. Wetlands Restoration, Natural Resources, Hydrogeology, Limnology of lakes, History. <b>Modern Sewage Plant</b> Guided Tour through the largest and most modern facility of the region	<b>Lunch at a farm</b> <b>"Straußenwirtschaft"</b> Back towards Northern Black Forest by Bus with several stops on the way	Natural Resources, Hydrogeology, Land management,
		(field trip; Robin Klenk)	(field trip; Fabian Mayer)	(field trip; Fabian Mayer)	(field trip, Fabian Mayer)	(field trip, Fabian Mayer)
18:00 Dinner	18:00 Dinner				18:00 Dinner at HC	18:00 Dinner
	Outdoor movie					optional: Lake festival Berneck

Sun, 04.08.2018	Mon, 05.08.2019	Tue, 06.08.2019	Wed, 07.08.2019
Hornberg Castle	Hornberg Castle	Hornberg Castle	
8:00 Breakfast	6:30 Breakfast	7:30 Breakfast	5:00 Breakfast
Free Time	Dep: 7:30 <b>Black forest farming</b> Sheep and goat farm, land use planning rural area, direct food marketing, dairy farm (field trip; Hingsberg)	Study for exam 12:00 Dinner	DEP: 6:00 for FRA  10:55 Flight to the states
		Exam	
18:00 Dinner	18:00 Dinner	17:30 Farewell party	

hunting (Nüssle) small group

Useful phone numbers for **emergency only** use when in Germany

Robin Klenk: (office) 011 49 7453 9466 10

Robin Klenk: (another number) 011 49 7453 9466 23

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## **Lodging locations**

### **Poland**

6 July through 13 July

Borowy Dwór in the town of Szaflary

<https://www.borowydwor.pl/biznes/index>

14 July through 17 July

Hotele Studenckie Zaczek in Krakow

<https://zaczek.hotelestudenckie.pl/en/>

### **Czech Republic**

18 July

(believe it to be this place) horské chaty Dorot'anka near Bystřice nad Pernštejnem

<http://www.dorotanka.cz/>

Please wait for the official itinerary from OIE

19 July

Mlyn Hotel near Jihlava

<http://www.mlynhotel.cz/>

20 July

Most likely we will be split between a few nearby places – please wait for the official itinerary from OIE

### **Germany**

21 July through 24 July; 28 July through 30 July; 2 August through 6 August

Waldschulheim Burg Hornberg near Altensteig

<http://waldschulheim-burg-hornberg.de/>

31 July through 1 August

University House near Freiburg

<https://www.uni-freiburg.de/universitaet/kontakt-und-wegweiser/gebaudeundraeume/unihaus>