

## I. Institution

1. Institution's Name	Altai State University
2. Faculty (department)	Faculty of Biology, South-Siberian Botanical Garden
3. Postal address E-Mail Web-Homepage	AltSU, SSBG, 61 Lenin street, Barnaul, 656099 Russia, <a href="mailto:bot@asu.ru">bot@asu.ru</a> , tel. (385-2) 27-09-27, 36-73-27, <a href="http://www.asu.ru/research.botsad.ru">www.asu.ru/research.botsad.ru</a>
4. Contact person/coordinator (name, phone, e-mail, position)	Alexander I. Shmakov, (385-2)27-09-27, fax (385-2)27-09-28, e-mail: <a href="mailto:bot@asu.ru">bot@asu.ru</a> , director of South-Siberian Botanical Garden, Dr., Prof.

## II. Course's profile

5. Course title	Field practice and expedition on the program «Diversity of types of vegetation of mountain territories and originality of their floras on the example of Altai» for students of the speciality «Botany».
6. Course profile (please give some key words to specify the focus)	Practical training, botany, vascular plants, geography and ecology of vascular plants, zonal (horizontal) and belt (vertical) distribution of vegetation
7. ECTS points available (Yes/No)	No
8. Class hours/week	36
9. Intergrated Russian language course for beginners (Yes/No)	No
10. Language of instruction	English, German
11. Intergrated practical training/ research programm (Yes/No, brief description)	Main types of vegetation of Altai region. Peculiarities of high mountain desert and hemidesert vegetation. Steppe vegetation, main dominants and species compound. Forest vegetation (dominants, species compound, peculiarities of distribution in different landscapes; birch forests, mixed forests, light and dark coniferous forests, bush communities, nemoral relicts). Meadow vegetation (dominants, species compound, types of meadows). High mountain vegetation (dwarf-tree tundras, moss-lichen tundras, high mountain steppes, alpine and subalpine meadows). Investigation of horizontal and vertical structure of Altai mountain vegetation (steppe, forest-steppe, forest, subalpine, alpine, nival belts). Leading families of vascular plants of South Siberia on the example of Altai flora. Endemics. Central Asian elements in Altai flora. Rare and protected species of Altai flora
12. Intergrated cultural programm: excursions etc. (Yes/No brief description)	Excursion to the city of Barnaul, to Altai Historical Museum and South-Siberian Botanical Garden
13. Number of students (min-max)	10-15
14. Tuition fees ( / month/ person)	250 euros/month
15. Course's duration	4 weeks

## III. Accomodation

17. Accomodation conditions: student hostel (discription of accomodation facilities, incl./excl. food, costs) ( /month/ person)	Student hostel: double rooms with common kitchen and bathroom for every 4 rooms. Cost – 5 euro/day per person, excl. food
18. Accomodation conditions guest family (optional): Yes/No, incl./excl. food, costs ( /month/ person)	Expedition: tents for 2 persons, food – 10 euros/day per person. Residence in hotels is also possible, from 10 up to 20 euros/day per person. Rent of 2 automobiles of high durability for expedition – 2700 euros.

**Additional description of the course in the free form (optional; You could give details to the points mentioned above)**

First two days – staying in Barnaul, excursions to the city. Third day – beginning of the expedition to South-East and Central Altai. It is planned to attend different landscapes during the trip: hemideserts, high mountain steppes, dark coniferous forests, alpine and subalpine meadows, dwarf-tree communities, moss-lichen mountain tundras. Main plant communities with indication of species forming these communities in every natural landscape will be presented. Different life forms and ecological groups will be shown. Elements of herbarium collecting and drying will be given. Lectures on main taxonomic groups and their systematic characters are also planned. Rare species of Altai flora will be shown; reasons of their rarity and measures of protection will be explained