

“174 International NASE-IAU Astronomy Course”

Cluj, Romania, June 2020

Questionnaire

Discipline:

Maths	Physique	Biology	Chemistry
15%	70%	7%	7%



Level:

under 12	13-18	Over 18
48%	79%	3%



Is this school your first contact with astronomy?

Yes	No
20%	80%



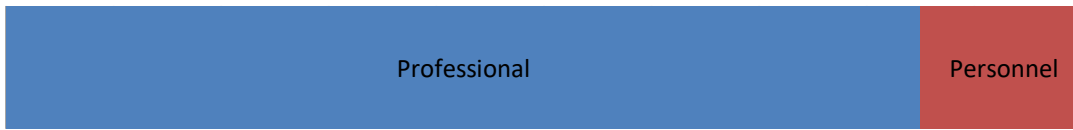
If no, what is your background in astronomy?

Courses	Amateurs	University	Self-taught
52%	11%	15%	22%



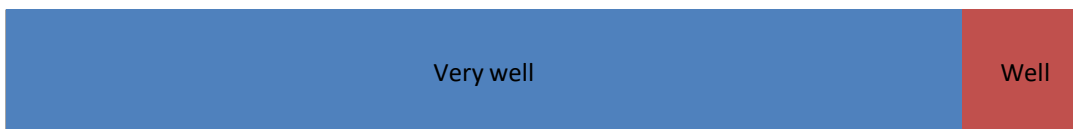
What was the cause for participating in this course?

Professional	Personnel
85%	15%



What do you think of the choice of dates?

Very well	Well
80%	10%



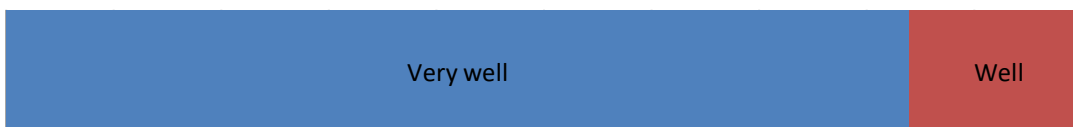
What about duration?

Very well	Well
28%	72%



What do you think of the organization of the day (and night) in four different types of activities: conferences, working groups, workshops, observations?

Very well	Well
84%	16%



What kind of activities have preferred?

All	Workshops
80%	20%



What kind of activities you like least?

Lectures	None
17%	83%



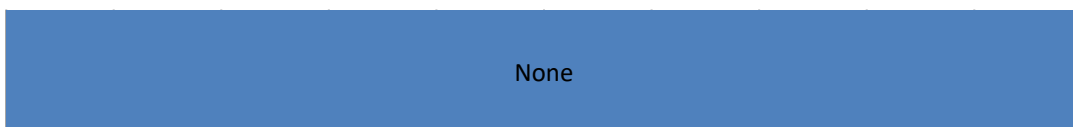
The subjects, have met your expectations?

Very well	Well
75%	25%



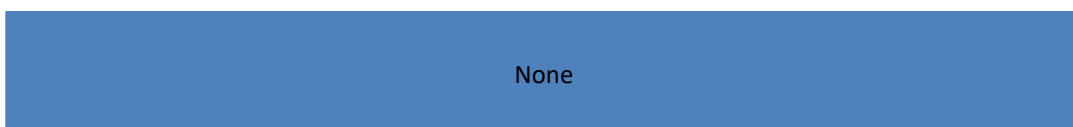
What would you delete?

None
100%



What would you add?

None
100%



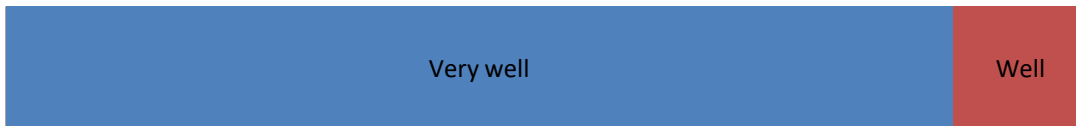
The level of activities has been:

Satisfactory	Too low
96%	4%



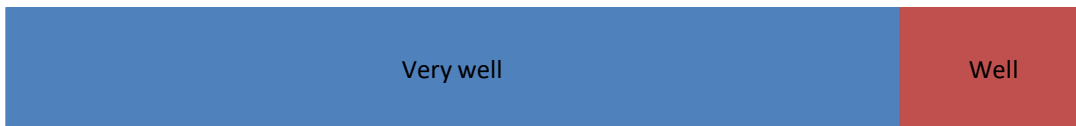
What is your opinion about the teaching methods of teachers?

Very well	Well
88%	12%



What is your opinion about NASE web?

Very well	Well
83%	17%



What is your opinion about coordination between different activities?

Very well	Well
65%	35%



What is your overall opinion of the course related to:

a) Exchanges and contacts with other participants?

Very interesting	Interesting
43%	57%



b) What is your opinion about the usefulness of the course to their teaching?

Very useful	Useful
62%	38%



What especially criticize?

- Too short time for each activity
- None
- I have no critics!
- No
- None. Maybe a little bit of more interaction.
- Nothing.
- None
- The time is so short for so many information
- I have nothing to criticize.
- In this situation it was a pleasure to have an international course about astronomy. So, I do not have anything to criticize
- The too specifical and too mutch dates about stars and planets, maybe because I am byologist

What you would value more?

- The information that was very interesting and complex, also the experiments

- I appreciate the diversity of information, the way they have been systematized and presented and the big number of experiments. I also liked that most of the experiments are easy to do and don't require expensive materials
- Some future courses to deal with other astronomical topics in more depth.
- The information about radiations and light, the experiments that demonstrate which are the conditions who support life and also all the experiments!
- Exchange of experience about teaching astronomy
- Valuable explanations, excellent approach.
- Experiments
- A lot of scientific information but very clear and structured, easy to understand and very intuitive
- The fact that we can use these results methods for classroom activities
- I will use the practical activities to present evidence of the existence of exoplanets.
- Maybe follow up with more of this type of course.
- Workshops, was very interesting
- Tips for successful experiments
- Simple, easy experiments that can be done in the classroom or at home are important. Students can learn a lot from these and repeat them at home if they are curious. It is also important that these experiments and their explanation connect the subjects studied separately in the school. As there is no astronomy in the Romanian Physics curriculum, it is important to introduce these concepts to students through different subjects. These experiments, simple observations, help students to deepen their theory and introduce new concepts.

Other observations

- The materials and the information received is very useful in the activities I will carry out with the students.
- The level of experiments is affordable for the students I teach
- None
- Astronomy is especially attractive for students and not only. That's why I consider that it was a very interesting and useful course. Thanks, and congratulations to the whole team for this professional development opportunity.
- I want more projects for students regarding the connections between physic, biology, chemistry, and astronomy.
- I liked very much the presenters end the way they presented the materials
- Telescopic observations would also be very important. Explain to teachers, teach them use of the telescope and how to perform simple astronomical observations, is also necessary. Before such a workshop, it would be good to explain what kind of telescope to use for these observations. What is the most important factor in choosing an observation tool.

- For me the course it was useful because I'm a math teacher and I didn't know how many experiments we may have with our students. Also, I saw on this course more opportunities to connect Math with Science.
- Congratulations to the organizers, welcome applications that can be made with passionate students.
- Perhaps some ideas about our place in the universe and our responsibility
- Maybe to ask the participants, from the beginning, to write down all the new words, concepts , ideas they'll find during the course.
- I would enjoy participating in future NASE courses. Thank you all for organizing this course and making it possible for us
- I loved every minute of the course. I think that I found out many new astronomical information in a short period of time. The experiments are very practical, interesting and some of them easy to do and I think every student would like to do. Practical activities really transform any science in something much easy to understand and more pleasant for students.
- Sorry, I don t have other observations.