**Pre-masterclass evaluation form for students**

1. What grade are you in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Are you male or female? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Where did you hear about this masterclass?
4. What was your motivation to participate in the IceCube Masterclass? (select all that apply)
   * 1. I was curious about the format.
     2. I wanted to learn more about IceCube.
     3. I love science.
     4. I’m interested in physics and astrophysics.
     5. I wanted to meet real researchers.
     6. Other: specify
5. What are your plans for college? (select all that apply)
6. I’ve not yet decided if I want to go to college.
7. I would like to enroll in a science-focused program.
8. I would like to enroll in an engineering-focused program.
9. I’m considering physics as my major.
10. I do not have a special interest in any science program.
11. How do you envision your future career?
    * 1. I do not have specific ideas about what my career might be.
      2. I would love to become a researcher.
      3. Not sure yet, but I think science would in some way be a part of it.
      4. Not sure yet, but I think engineering would in some way be a part of it.
      5. I do not think science or engineering would be an important part of my career.
12. Do you know what the word astrophysics means? (select all that apply)
    * 1. The study of the universe using any sort of telescope or detector
      2. The study of the universe, especially of the positions and motions in space of cosmic bodies
      3. The study of the universe, especially of the properties and workings of cosmic bodies
      4. The study of the universe using neutrinos
      5. The study of the universe using gamma rays
      6. The study of the universe using cosmic rays
13. Do you know what a neutrino is? (select all that apply)
14. No clue what a neutrino is.
15. It’s an elementary particle. The sun produces tons of them.
16. It’s a particle of matter, just as an electron or a quark is.
17. It’s a particle that helps us explore the universe.
18. It’s a tiny particle that is very difficult to detect.
19. And what about IceCube, is this a word familiar to you? (select all that apply)
    1. Not beyond frozen water and a rapper.
    2. It’s a detector in Antarctica.
    3. It’s some sort of telescope in Wisconsin.
    4. It’s a special detector that uses neutrinos to explore the extreme universe.
    5. It’s a neutrino and a cosmic-ray detector.

**Post-masterclass evaluation form for students**

1. What grade are you in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Are you male or female? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Do you agree with this general assessment of the masterclass: “The schedule was well organized.”? (select only one option)
4. I strongly disagree.
5. I disagree.
6. I agree.
7. I strongly agree.
8. Assess each event. Give a score from A to E: *A - excellent, B - above average, C - average, D - below average, E - very bad!*
   1. South Pole webcast
   2. Icebreaker activity
   3. Lectures
   4. Detector fair
   5. Analysis activities
   6. Virtual session with peers from Delaware
9. What did you like most about the masterclass?
10. What did you like least about the masterclass?
11. What were the two things (bits of knowledge, or experiences) that you think you’ll most remember from this masterclass?
12. Do you think your experience today will help you with school science classes? (select only one option)
    1. Yes
    2. No
    3. Not Sure
13. Did the masterclass make you feel … (select only one option)
14. I am more interested in studying science.
15. The same, I already wanted to study science.
16. The same, I don’t want to study science.
17. I am less interested in studying science.
18. Did the masterclass make you feel ...  (select only one option)
    * + 1. I am more likely to consider a career in science or engineering.
        2. I already knew that I wanted to work in science or engineering.
        3. I already knew that I didn’t want to work in science or engineering.
        4. I am less likely to consider a career in science or engineering.
        5. I would like to become a researcher.
19. What do you think of IceCube’s research?  (select all that apply)
    1. Amazing, I would definitely like to learn more about IceCube science.
    2. Very interesting. I wish science and engineering lessons at school talked more about real research projects such as IceCube.
    3. I think it is neat, but I’m personally more interested in other science topics.
    4. It’s OK, but not that exciting.
20. Do you know what astrophysics means? (select all that apply)
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      2. The study of the universe, especially of the positions and motions in space of cosmic bodies
      3. The study of the universe, especially of the properties and workings of cosmic bodies
      4. The study of the universe using neutrinos
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    2. It’s a detector in Antarctica.
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    4. It’s a special detector that uses neutrinos to explore the extreme universe.
    5. It’s a neutrino and a cosmic-ray detector.
28. Would you recommend the IceCube Masterclass to other students? (select only one option)
29. Yes
30. No
31. Not Sure
32. Do you have any other comments or suggestions that you´d like to share with us?