

AUBG MultiTalent Quest 2019

AUBG Campus, Blagoevgrad

March 29th-31st, 2019



Round 2 Rules & More¹

¹ Disclaimer: The AUBG MultiTalent Quest Jury reserves the right to make minor changes to the Round 2 Competition Rules and Details. These will be communicated with all Questers in a timely manner.

Head of Round 2 Jury: Sabina A. Wien, AUBG Professor, Quest Founding Member

Round 2 Jury Coordinator: Petar Svarc, AUBG Alumnus, Quest Founding Member

Database Management: Viktor Kastrev, AUBG Admissions

Team Splitting

The Finalists will be put together in teams of 4 by the Quest Organizers. The Questers may not choose their team members. The Finalists will find out about their teams at the Quest Registration Desk.

Final Scoring

The individual score in each discipline will be converted into percentage points and an aggregated average score will be calculated for the 3 required disciplines, 'CharisMATHic Analysis', 'DEBATE, Don't Hate', and 'SOCIAL Challenge Hack', and added to the aggregated average score of the elective discipline, 'ARTS on the Spot' or 'In the SPORTlight'.

Awarding of Overall Winners

The Winner of the AUBG MultiTalent Quest will be the participant with the highest total score from all 4 disciplines (3 required and 1 elective). There will be a 2nd and a 3rd place Overall Winner, too.

Awarding of Winners in the Disciplines

There will be a 1st, 2nd, and 3rd place Winners in each discipline.

'CharisMATHic Analysis', 'DEBATE, Don't Hate', and 'ARTS on the Spot' will award individual competitors.

'SOCIAL Challenge Hack' will award one Winning Team.

'In the SPORTlight' will award 1st to 3rd places in two separate rankings, for men and for women.

CharisMATHic Analysis

Time

Saturday March 30th, 2019, group time slot: 9:00-10:30

Place

Balkanski Academic Center (BAC), rooms: 001, 002, 003, 004

Chief Judge

Stefan Ivanov, AUBG Alumnus, R&D Engineer at Chaos Group

Judges

Ivan Stoykov, AUBG Alumnus, Mathematics Teacher at Zlatarski International School

Dimitar Kirilov, AUBG Student, Member of The Hub (Site)

Veronika Starodub, AUBG Student, Member of Polygon

Dastan Samatov, AUBG Student, Member of Polygon

Deyan Vassilev, AUBG Alumnus, Quest Founding Member, Director at Large of AAA

Marina Tsutsumanova, Quest '19 Ambassador, Quest '18 Finalist

Category

Individual Required Discipline

Promo

Reveal your mathematical charisma and analytical thinking.

One-sentence Description

In this discipline you will get 90 minutes to solve a number of mathematical and logical problems which aim to evaluate your **analytical skills** and **ability to prepare for exams**.

Short Description

Bellow you can find a breakdown of the types of questions on the exam. The numbering of the questions may not be the same as shown here as these are just categories of questions. However, each question will be clearly marked with a tag for its respective category.

1-12: Multiple-choice mostly SAT-type, 2 point each;

13-20: Open-answer, some SAT-type, and some non-standard, between 3 and 5 points each;

21-26: Open-answer and proof-based problems, between 6 and 8 points each;

29-XY: Additional problems, small, but non-negligible number of points each;

Total: Approximately 100 points.

Long Description

The CharisMATHic Analysis discipline aims to test the analytical aspect and logical mindset of a finalist. In order to perform well, candidates should remain composed under time pressure, keep their focus during the competition, be comfortable solving mathematical problems of varying topics, and know how to efficiently prepare based on given materials. There are 4 main types of questions, each contributing to the final score with a different weight:

- 1 to 12 are fairly regular multiple-choice question testing basic mathematical knowledge. The finalist can provide a short description of their answer and they may earn partial credit based on the accuracy of this description.
- 13 to 20 are open-answer questions which require building a mathematical model from some textual description. Finalists are expected to provide, at the very least, a short description of the process to arriving at the result. Partial credit may be earned by correct reasoning but an incorrect answer. Full credit will only be given to correct answers that have some reasoning (even if one sentence) of correctness.
- 21 to 26 are proof-based and longer open-answer questions. You must show why a statement is correct using logic, axioms and the given condition. Think of this like the mathematicians' debate – you must show the examiner why something must be so. Credit will be awarded based on the logical structure of the proof, ease of understanding, and the final goal stated in the problem. Some problems may be given the week before the exam which you must solve and present their solutions during the exam
 - IMPORTANT: The *Preliminary Materials* section below contains a link to document containing material that participants must go through before attempting the exam and these problems. Some problems will be difficult or nearly impossible to complete without this preliminary step. Please take adequate time to read the document. These last questions will be based on material from that document.
- 27 to XY are “wild-card”, charisma-boosting problems, which are outside the conventional structure of the discipline but do count towards the overall score in one way or another.

Preliminary Materials

This document contains various material that you must go through the exam. It contains links to reference cards, small articles and videos that relate directly to the proof-based questions and partially to the non-standard open-answer questions. Going through all the materials should not take more than 4-5 hours, thus, it is wise to go through and study the material during the weekend before the competition and revise it before the exam.

Link to materials: <https://docs.google.com/document/d/1xVhCGjM2mKfswGdkX-wLiTc9a1vO6OqQ8ILFaYWC8VU>

Preliminary Training

If you would like to practice further, you can find the previous years' problems and solutions at: <https://www.aubg.edu/quest-round-2>

SOCIAL Challenge Hack

Time

Saturday, March 30th, 2019, team time slot between 11:00-14:30

Place

BAC, Panitza Library, 2nd floor, group study rooms 329 and 330

Chief Judge

Yavor Kiryakov, AUBG Alumnus, Manager of "[University for Kids](#)"

Jury 1

1. Yavor Kiryakov, AUBG Alumnus, Quest Founding Member
2. William Clark, AUBG Professor of Environmental Science, D3 Navigators Board of Directors Member
3. Olga Turkan, AUBG Alumna
4. Kalinka Vassileva, [Trust for Social Alternative](#)
5. Asya Velichkova, AUBG student, Quest Founding Member, Startup & [Better Community Club](#) Member;
6. Aleksander Dimitrov, Quest '19 Ambassador, Quest '18 Finalist
7. Dariya Naydenova, Quest '19 Ambassador, Quest '18 Finalist

Jury 2

1. Tsvetelina Miteva, AUBG Alumna
2. Nadezhda Savova-Grigorova, AUBG Professor of Anthropology, Founder of [Bread Houses](#)
3. Andrey Anastassov, AUBG Alumnus, Owner of [Junix.eu](#)
4. Zhorzh Yordanov, AUBG Alumnus
5. Erga Skenda, AUBG student, President of [Better Community Club](#) and Phi Beta Delta
6. Anna Naumoska, Quest '19 Ambassador, Quest '18 Finalist
7. Teodora Yossifova, Quest '19 Ambassador, Quest '18 Finalist

Category

Team Required Discipline

Promo

Face the challenge and hack a social problem!

One-sentence Description

In this discipline, your teammates and you will get the chance to solve a social problem and present your solution.

Short Description

Each team, consisting of four Questers, will present solutions to various social problems in a 10-minute presentation + a 5-minute Q&A in front of a Jury of AUBG current students, alumni, professors, and staff with expertise in social and/or business entrepreneurship. This category of the AUBG MultiTalent Quest will test various abilities like entrepreneurial thinking, team play, working under pressure, presentation skills, etc.

The whole team is evaluated with a single score which goes also towards the individual final rankings. Thus, it is important for the students to work closely together and overcome individual differences for the sake of the performance of the whole team.

Details

On Friday evening (March 29th) participants are separated in teams of four and are given their team's topic from the preliminary distributed list of topics (see below). Their first task is to select a team captain and come up with a creative name of their team. Shortly after, they can begin exploring their social topics. By the next morning, starting from 11:00 am they will be asked to come up with witty HACKful solutions of the social challenges, propose steps on executing them, and effectively present them.

Instructions for the Presentation

What to include, what will be evaluated:

1. Understanding of the issue: What is it about? Why does it exist?
2. Previous actions: What has been done so far?
3. Your solution: What measures do you suggest in order to solve the social challenge? Why do you think they would work?
4. Your plan: How would you implement your solution? What would your next steps be?

Timing, Format, and Materials

Each team will present for a maximum of 10 minutes and then will answer questions for about 5 minutes. The available materials per team will be 7 flip chart sheets and 4 markers, which may also be used during the official presentation.

ATTENTION-1: Speak only in English!

ATTENTION-2: Teamwork is an essential! No one can solve a social problem alone. Therefore, each team will receive one single score based on the presentation of the whole team.

List of topics

The specific topics, one of which your team will be working on, are:

1. *Marine animals in the World Ocean are dying because of plastic pollution. What measures would you suggest to the community and local authorities to solve this issue?*
2. *Eastern European countries are losing brains to the West. Propose measures to their national authorities to fight human capital loss.*
3. *A refugee family gets accommodation in your town. How would you facilitate integration?*
4. *People with disabilities have difficulties entering the labor market. How would you facilitate their inclusion?*

5. *The increasing number of cars in the urban areas is causing air pollution. Propose measures to cope with the problem.*
6. *The number of homeless people on the streets of your town is progressively increasing. What measures should be taken to solve the issue?*
7. *There is shortage of skilled labour in your home country. Propose measures to increase the number of skilled employees on the market as well as their productivity.*
8. *The number of obese children is steadily increasing. Propose measures to improve the health and fitness of the future generations.*
9. *Each year thousands of people are killed in car accidents in Southeastern Europe. What measures should be taken to decrease the number of victims?*
10. *Face-to-face social interactions are diminishing, and community ties are weakened. Propose measures to improve community building and cooperation across cultures, ages, and professions.*

DEBATE, Don't Hate

Time

Saturday, March 30th, 2019, team time slot between 11:00-14:30

Place

BAC, room 202 and 203

Chief Judge

Petar Svarc, AUBG Alumnus, Director at Large of AAA, Quest Founding Member

Jury 1

Petar Svarc, AUBG Alumnus

Lisa Clark, AUBG Writing Center Coordinator

Miroslav Arnaudov, AUBG Alumnus

Iliyana Nalbantova, AUBG student, Vice President of Phi Beta Delta

Elena Ruseva, Quest '19 Ambassador, Quest '18 Finalist

Monica Boyadzhieva, Quest '19 Ambassador, Quest '18 Finalist

Jury 2

Samantha Harvey, AUBG Admissions Counselor

Arthur Pantelides, AUBG Professor of Business

Nikolay Nikolov, AUBG Alumnus

Iliyana Moskova, Quest '19 Ambassador, Quest '18 Finalist

Teodora Bachvarova, Quest '19 Ambassador, Quest '18 Finalist

Emanuel Tonev, Quest '19 Ambassador, Quest '18 Finalist

Category

Team Required Discipline

Promo

Demonstrate that to debate with three mates is more woke than to hate!

One-sentence Description

Two teams of 4 people debate in a single, 20-minute round on a preliminary given topic.

Short Description

Debating involves a wonderful combination of skills: research, public speaking, argumentation, strategy, teamwork, etc.

The competition is divided into two phases:

Phase 1: Preparation (Friday evening and Saturday before your time slot for the Debate)

Phase 2: Debate (Saturday between 11:00 and 14:30)

In **Phase 1**, the following will happen:

- Team allocation (Friday)
- Facilitator allocation (Friday)
- Topic distribution (Friday)
- Rules announcement (Friday)
- Research and strategy (Friday and Saturday)

Phase 2 is the debate itself. Everyone in your 4-member team will have 3 minutes to speak to build and defend your case (in case of being the Proposition team) or to refute your opponent's case (in case of being the Opposition team).

Additional Details

- Language: English
- Team composition: 4 members per team
- Jury composition: 4 to 6 judges (mix of AUBG students, alumni, faculty, and friends)
- 24 minutes per debate (3 minutes x 8 speakers)
- No points of information allowed
- Speaking order: P1; O1; P2; O2; P3; O3; O4; P4
- One-round of debates (8 debates x 2 teams)
- Topic for each debate announced on Friday evening, from the preliminary distributed list of topics (see below).

Scoring Rules

A jury will rate your individual performance in the debate using the following criteria and associated weight:

- 25% for content - quality of arguments, facts, logic, etc.
- 25% for strategy - teamwork, distribution of workload across speeches, game plan, etc.
- 50% style - language skills, presentation skills, respecting opponents/judges, etc.

The outcome of the debate is **not** a determining factor for your individual score, i.e. you can lose the debate and still have a high score. However, working well with your team is still crucial - so no solo heroics.

List of Topics

You will be assigned one of the following topics on Friday night. It's recommended that you familiarise yourself with all of them from both sides - for and against - before the event:

1. *This House believes alternative energy can effectively replace fossil fuels.*
2. *This House would ban bottled water.*
3. *This House would ban mobile phones in schools.*
4. *This House believes adults should have the right to carry a concealed handgun.*
5. *This House would make euthanasia legal.*
6. *This House would ban voting rights for felons who have completed their sentence.*
7. *This House believes e-sports should be included in the Olympic games.*
8. *This House believes obesity is a disease.*
9. *This House would ban school uniforms.*
10. *This House believes social media websites are good for our society.*
11. *This House believes tablets should replace textbooks in primary schools.*
12. *This House believes in Universal Basic Income.*
13. *This House would lower legal voting age to 16.*

ARTS on the Spot

Time

Saturday, March 30th, 2019, individual time slot between 14:00-18:30

Place

Dr. Carl Djerassi Theater in the ABF Student Center

Chief Judge

Sonya Volkhonskaya, AUBG Alumna

On-stage Host

Tsvetiana Zaharieva, AUBG Alumna

Judges

Nedyalko Delchev, AUBG Professor of Theater

Anguel Anguelov-Mostuna, AUBG Alumnus, Quest Founding Member

Georgi Iliev-Starcheto, AUBG Alumnus

Maria Marinova, AUBG Alumna

Martin Georgiev, AUBG Alumnus, AUBG Publications and Website Coordinator

Mustafa Ramadan, AUBG student, Quest Founding Member, AUBG Business Club President, Vice President of TEDxAUBG and BFDC "Samodiva" Member;

Vesa Nesiri, AUBG student, Rock & Jamming Club Member

Desislava Stamova, Quest '19 Ambassador, Quest '18 Finalist

Kristina Dimitrova, Quest '19 Ambassador, Quest '18 Finalist

Mihaela Hrusanova, Quest '19 Ambassador, Quest '18 Finalist

Category

Individual Elective Discipline

Promo

Impress us with your art and own the spot(light)!

One-sentence Description

In this discipline, you will show off your artistic talents within 5 minutes.

Short Description

Each participant will get up to 5 minutes to demonstrate her/his set of artistic skills in one of the following arts:

- acting,
- dancing,
- singing,
- reciting
- stand-up comedy,
- magic tricks
- painting,
- photographing
- filming,
- designing,
- other artistic forms.

All members of the jury will score each participant's work based on several criteria, but most important are creativity, enthusiasm, artistry, and ENTERTAINMENT!

Details

Each candidate who chooses to participate in the 'ARTS on the Spot' elective discipline has to present one (or in some cases a combination) of the following:

- Theater play scene/monolog/mime
- Dance (alone; with 1 partner; with an object) or acrobatic number
- Musical instrument performance/Song/Musical piece/Karaoke
- Stand-up comedy, Jokes (all in English)
- Poem in English or Bulgarian (Please, provide a translation if in Bulgarian. Doesn't have to be poetically translated). Please tell the Jury if it is your own work.
- Painting, sketch, sculpture, origami, etc. – must present the piece itself, or a slideshow before the jury.
- Photography – a slideshow
- Video/short film – not longer than 4.5 minutes.
- Other artistic form that will demonstrate the student's talent - *the Chief Judge will contact you prior to Round 2 to confirm if your artistic presentation was not one of the above mentioned!*

Remember:

The total time you have is 5 minutes. You will be interrupted if your performance goes beyond that time. After your performance, the jury may ask you a few follow-up questions, not longer than 1-2 minutes each.

Bring any artwork, mobile props, music, costumes or else that you need for your show. The Chief Judge will contact you if we cannot provide the props you mentioned in the online form.

!!!IMPORTANT!!!

For all the participants choosing to use any RECORDED MUSIC/VIDEO/PPT (ANY MULTIMEDIA) in their performance: please upload your piece into our google drive folder [OVER HERE](#). DO BRING a copy with you on a flash drive, too.

Name your file in the following manner:
MTQ19_ARTS_FirstName_LastName.mp3

SHOULD A PARTICIPANT FAIL TO PROVIDE THE CHIEF JUDGE WITH THEIR MULTIMEDIA UNTIL 23:59 ON FRIDAY, MARCH 29, THEY WILL NOT BE ALLOWED TO PARTICIPATE.

Attention: We will definitely have a grand piano and a keyboard on stage.

In the SPORlight

Time

Saturday, March 30th, 2019, individual time slot between 14:00-18:30

Place

ABF Sports Hall

Chief Judge

Venelina Miteva, AUBG Alumna, Quest Founding Member

Judges

Nadya Tabutova, AUBG Admissions Counselor

Zhenya Licheva, AUBG Sports Facilities

Nikolay Pohlupkov, AUBG student, President of AUBG Olympics

Simeon Milev, AUBG student, President of AFC Griffins

Plamen Hristov, Quest '19 Ambassador, Quest '18 Finalist

Bogomil Yordanov, Quest '19 Ambassador, Quest '18 Finalist

Referees

AUBG students, member of AUBG Olympics, AFC Griffins

Category

Individual Elective Discipline

Promo

Light up the sports arena and be a classical champion in non-classical sports activities!

One-sentence Description

In this discipline, you will demonstrate your strength, speed and stamina in non-traditional sports activities.

Short Description

Participants will be challenged to demonstrate their skills in a specially created Contest that will test their accuracy, balance, agility, speed and... their sense of humour. Providing evidence (photos, videos, certificates) about previous sports achievements and recognitions is encouraged and rewarded.

Detailed Description and Scoring Rules

I. Contes7 Participation

A. Structure

Each participant completes the course for himself/herself. The participants will be divided in two groups to encourage competition and boost the final results. Only personal records (times) will be accounted for the final scoring.

B. Order

The event will be a onetime event and each participant has one chance to complete all 7 obstacles. Only after a participant has completed all tasks and returns to the start/finish line the next participant can proceed.

II. Additional Participants

A. Referees

There shall be 3-4 designated referees in order to have a more transparent and fair ruling. The referees must be familiar with the rules described herein. The responsibility of each referee will be to detect and sanction illegal behaviour, if any. They will also be in charge of timing the participants. There shall be a referee following the student participants always.

III. Rules of the Game

The game is played in the AUBG sports hall. The Field will be placed on the ground floor and marked and visible to all participants. The organiser/jury members will make a demonstration prior to the start of the game. Each out of all 7 challenges will be performed indoors and requires the participant's full commitment. All props will be provided in advance and the field will be set up before the beginning of the game. Participants are advised to wear sports attire and comfortable shoes.

The game is started with bend a short series of 3 burpees (a minimum requirement must be covered). The Second challenge requires the participants to overcome a distance squatting. After they reach the end point they can proceed to the next stage – Shooter. The participants have to score 3 balls with a table tennis racket into a designated bucket. After the successful completion of Shooter follows track for Jump-Rope Running. After the distance in completed the participants will land at the Puzzle challenge. They have to complete put together the pieces of a puzzle, only after all pieces fit into their places, the participants will throw Dice - the sum of their throw will determine the last race track - the Labyrinth run. When the participants compete the last distance and cross the finish line they have completed Contes7.

Any rule breaking or failure to comply shall be rewarded with a 5 second punishment to the participant's final score.

IV. Gameplay & Scoring

a. General

The timing of each participant is taken into consideration for the final score and not the team result. The top 20% that have finished the fastest will get 7 points, the next 20% will receive 6 points, the 3rd group will get 5 points, the 4th - 4 and the 5th will receive 3 points to their overall score.

b. Bonus Points

Participants who have previous sports' experience or qualifications are encouraged to share/provide their achievements - certificates, medals, cups, etc. This will add 3 points to their elected discipline In the SPORTlight. Bringing pictures, certificates, medals, etc. is considered sufficient evidence.

a. Maximum Score

The maximum score a participant can achieve is 10 points – scoring in the 1st group and receiving bonus points for previous achievements.