

Postgraduate Application Form



Viezzi, Miss Giulia

Course

MASt in Astrophysics (MASAS)

Department

Institute of Astronomy

Course start date

01 Oct 2024 (MT 2024)

Date submitted

03 Dec 2023

Mode of study

Full Time

PUF

No

Academic History

Aug 2020 - Jul 2024
(Not yet obtained)

Bachelor in Astronomy (Science and Engineering) - All or mostly full-time

Unknown

University of Groningen (Netherlands)

Immigration

Nationality

Italy (1st)

Country of birth

Italy

Currently ordinarily resident

Italy

Country of birth is ordinary residence since birth

Yes

Estimated fee status

Overseas

Visa

Required

Visa type

I do not currently have a UK visa

Language

I have studied for 4 years entirely in English at university level in the Netherlands

Scholarships

Apply for funding

Yes

Apply for Cambridge Trust

Yes

Apply for Gates Cambridge

No

Curriculum Vitae

Uploaded

Career Goals

513/1000 chars

During my academic journey at the University of Groningen, I have been involved in many Astronomy projects, such as, for instance, the observation with the Lauwersmeer Dark Sky Telescope to measure the height of moon's craters. I developed a long lasting passion for Astroparticle Physics and I have obtained outstanding results for Quantum Physics 2. My goal is to be able to pursue a career as a researcher in the field of Astrophysics. I aim to able to obtain a PhD position and continue to work in University.

Additional Information to Support Application

445/1000 chars

I have professional experience in teaching Astronomy and Physics related subjects at both High School and University level. Being a Teaching Assistant at my University not only allowed me to help other students during their career paths, but also enhanced my abilities in science communication. I have also developed a great attention to detail and my experience in grading scientific reports allowed me to improve my own writing skills as well.

Course Specific Questions

Core - statement of interest

During my academic journey at the University of Groningen, I have been involved in many Astronomy projects, such as, for instance, the observation with the Lauwersmeer Dark Sky Telescope to measure the height of moon's craters. My group and I were honored to be chosen to present the findings during the Physics, Astronomy and Mathematics symposium at our University. I developed a long lasting passion for Astroparticle Physics, and I have decided to apply for the MSc in Astrophysics at your University. I have professional experience in teaching Astronomy and Physics related subjects at both High School and University level. Being a Teaching Assistant at my University not only allowed me to help other students during their career paths, but also enhanced my abilities in science communication. I have also developed a great attention to detail and my experience in grading scientific reports allowed me to improve my own writing skills as well. I am part of a committee of an Astronomy study association and I have experiences in organising science talks and Astronomy-themes events. Thanks to this opportunity, I have improved my social skills, time management and effective teamwork. I also have a lot of experience within international environments. I am not only sensitive to the struggles of international students, but I have also developed an understanding of the importance of cultural differences within a scientific filed.

Core - reasons for applying

I believe the MSc in Astrophysics will allow me to gain the necessary knowledge and experience to pursue my long lasting ambition to become a research in the field of Particle Physics. The innovative approach, the outstanding facilities, and the leading researches in Astronomy your University offers are some of the characteristics which lead me to choose your institution. I am confident that I will be able to contribute greatly to the programme thanks to my skills, ambition, and creativity.

Astronomy - Extra Materials WP

Uploaded

Application Information

Academic Awards		
No awards entered		
Employment History		
May 2022 - Jul 2024	Teaching Assistant	University of Groningen (<i>Groningen, Netherlands</i>)
Other Applications Made		
Particle Physics	Physics and Astronomy	University of Edinburgh (<i>United Kingdom</i>)

Personal Information

Identifying Information

Full name

Viezzi, Miss Giulia

Date of birth

01 Mar 2001

Previous name

Legal gender

Female

Contact

Email

viezzigiulia@gmail.com

Phone

+393338087555 (1st)

Skype address

Contact address

Hoediep, 95, H, Groningen,
Groningen, 9718TE, Netherlands

Home address

Via Case Marsura Gugliola, 23,
Ziracco (UD), Udine, 33047, Italy

Valid until

01 Sep 2024

Valid until

Dependants

Partner

WILL NOT bring partner

Child

WILL NOT bring children

Disability

Disability

No

Further information

Adjustment for Interview

Adjustment required

No

Details

College Preferences

College

No College preference

Current Membership

College

Not College member

Visa Requirement

Visa type

I do not currently have a UK visa

Study Visas

Visa not entered

Funding Application

Cambridge Trust

You will automatically be considered by the Trust for any awards for which you are eligible.

No identified awards.

Gates Cambridge Scholarships (Overseas)

Apply for Gates Cambridge

No

Personal Statement

0/3000 chars

Harding Scholarship

Mastercard Foundation

UKRI

Department Funding

College Funding

Based on the information you have provided, you are eligible to apply for these awards.

Girton Joyce Biddle Scholarship

You have applied for Girton Joyce Biddle Scholarship

Sheepshanks Studentship in Astronomy

You have applied for Sheepshanks Studentship in Astronomy

Wolfson College & Rowan Williams Cambridge Studentship

Separate application form

To be considered for this studentship, applicants should complete and return a separate application form to the Trust, which has been designed to assist the Trust in the identification of eligible candidates. The Rowan Williams Cambridge Studentship application form is available at <https://www.cambridgetrust.org/our-scholarships/highlighted-scholarships/rowan-williams-cambridge-studentship>.

Notes for applicants:

The Rowan Williams Cambridge Studentships are not available for courses offered by the Institute of Continuing Education, premium rate courses offered by the Judge Business School (including MBA, MFin, EMBA etc.) or for courses where the fees are charged at the higher Clinical rate.

Selection panels will assess applications taking regard of the severity of barriers faced to pursuing higher education at the University of Cambridge.

Your Funding

Funding Sources

No funding sources entered

Declaration

The information you have provided forms the legal basis of your application to the University of Cambridge. We reserve the right to refuse admission in the event of any misrepresentation by you. Submission of an application does not imply an offer of admission.

- The University of Cambridge, the Cambridge Colleges, the Gates Cambridge Trust and the Cambridge Commonwealth, European and International Trust (and their collaborators) will use your personal information for the purpose of processing your applications for admission and funding and deciding whether to offer you a place for the course you have applied for. For further information on the use of your personal information during the application process, please see [How we use your personal information \(for applicants\)](#).
- I certify that all the information given in this application is complete and accurate. I also understand that if I have given false or misleading information, the University of Cambridge will not admit me as a Postgraduate student and may take legal action against me.
- I certify that I am the original and sole author of all work submitted as part of this application, except where clearly indicated otherwise.
- I understand that if my application is unsuccessful, the papers relating to it will be destroyed and cannot be returned.

I confirm that I have read, understand and agree to the above declarations.



Transcript of Records

Name : G. Viezzi
Date of birth : 1 March 2001
Student number : 4273087

A clean transcript of records (excluding all insufficient grades and resits)

Code	Title	Date	Mark	Achieved (ECTS)
LMG005B05	Researching Gender and Diversity	06/11/2023	8.4	5
LMG001B10	Theories of Gender and Intersectionality	31/10/2023	8.4	10
WBPH052-05	Quantum Physics 2	21/06/2023	9	5
WBPH036-05	Astroparticle Physics	08/05/2023	7.5	5
WBPH046-05	Structure of Matter 1	06/04/2023	7.5	5
WBPH053-05	Physics, Astronomy and Society: Ethical and Professional Aspects	07/03/2023	8	5
WBPH059-05	Complex Analysis	26/01/2023	7	5
WBPH014-05	Quantum Physics 1	03/11/2022	7	5
WBAS015-05	Observational Astronomy	30/06/2022	9	5
WBAS016-05	Physics of Galaxies	22/06/2022	7.5	5
WBAS017-05	Physics of Stars	20/06/2022	8	5
WBAS014-05	Numerical Methods	12/05/2022	9	5
WBMA029-05	Calculus 2	11/04/2022	6.5	5
WBPH032-05	Waves and Optics	05/04/2022	8.5	5
WBPH002-10	Thermal Physics	25/01/2022	8	10
WBAS004-05	Statistics for Astronomy	02/11/2021	8	5
WBPH049-05	Mathematical Physics	18/06/2021	10	5
WBPH033-10	Electricity and Magnetism	14/06/2021	7.5	10
WBAS013-05	Introduction to Programming and Computational Methods	11/04/2021	9	5
WBPH001-10	Mechanics and Relativity	22/01/2021	7.5	10
WBAS007-05	Introduction Astronomy	21/01/2021	9	5
WBPH054-05	Linear Algebra (for Physics)	18/01/2021	8.5	5

Groningen, 28 November 2023



Code	Title	Date	Mark	Achieved (ECTS)
WBPH013-05	Physics Laboratory 1	02/11/2020	9	5
WBMA003-05	Calculus 1	30/10/2020	8	5

Total ECTS credits: 140 (1 ECTS credit = 28 hours of study)

Average grade (weighted average): 8.1

Explanation of grades	
10 = excellent	6 = sufficient
9 = very good	5-1 = fail
8 = good	P = pass
7 = more than sufficient	EX = exemption


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 groningen
 faculty of science and engineering
 student administration SSE

F.F. Durenkamp
Student Administration FSE

Groningen, 28 November 2023

Academic reference for Miss Giulia Viezzi

MASt in Astrophysics

Referee Details

Name	Professor Morana Lukac	Job title	Assistant Professor
Email	m.lukac@rug.nl	Department	European Languages and Cultures
Phone		Institution	University of Groningen
Relationship	Professor	City	Groningen
Known for	Three months	Country	Netherlands

Reference

Academic ranking	The best performance you have known in the last 5 years I am comparing Giulia with the cohort of students enrolled in the Gender Studies Minor programme within the University of Groningen. This cohort varies between 50 and 60 students each year.
Student potential	Outstandingly original/creative/independent of thought
Course suitability	Exceptionally Suitable

Reference provided as uploaded file. Please see the next page.



Dr. Morana Lukač
Assistant Professor
European Languages and Cultures / Gender Studies Minor
University of Groningen
m.lukac@rug.nl

1 December 2023

To Whom It May Concern

I am very pleased to write this letter of recommendation for Giulia Viezzi, who was my student this fall semester in the RESEARCHING GENDER AND DIVERSITY course which is an obligatory part of the Gender Studies Minor curriculum at the University of Groningen. Since Giulia was part of my relatively small seminar group made up of altogether twelve students, I got to know her personally and interact with her regularly.

Critical evaluation skills and independence of thought (3)/Aptitude and potential (4): From the first day of class, it became clear that Giulia is not only an attentive, thoughtful, and well-prepared student, but also one that I could count on to join, or, even more regularly, initiate a critical discussion on different topics addressed in class. Whereas most other students in the classroom came from social studies and humanities and were often well-versed in discussing gender studies, Giulia's voice was unique in that she could bridge fields and synthesize remarkably while maintaining a firm analytical view on the topics under discussion. A true student of physics and astronomy, she often introduced themes relating to her own fields of interest; she was particularly vocal about and critical of the stereotypes surrounding women in STEM. With clear conviction she often explained her own passion for science and the place women already do and should more so in the future occupy in a field that cannot afford to marginalize half of the population while building knowledge.

Academic results to date (1)/Knowledge of the proposed field of study (2): I was particularly impressed with assignments Giulia submitted, in which she clearly invested much thought and effort. This semester we decided to offer an elective task of compiling a survey. Few students (3/57) decided to take on this challenge, since formulating, carrying out, and analyzing a survey is quite time-consuming. Giulia, however, was the first to contact me to tell me that she has decided to carry out a survey on gender-fair language. She did an exceptional job, and provided an in depth analysis, supported by visuals and graphs that were far beyond what we could have expected for the amount of time allocated for this task. This was one of the best undergraduate research papers that I have seen to date in my more than a decade long higher education teaching career. I have also seen Giulia's transcript of records for her main study programme within the Faculty of Science and Engineering, and she clearly excels and does well beyond average in her core subjects as well.

Level of English (6): Whereas Giulia's academic English perhaps requires some final polishing and refining, which I am certain would no longer be an issue once at Cambridge, she is a very coherent communicator, and she understands the academic register very well.

I wholeheartedly recommend Giulia as a prospective student within your program. I am sure she will make the most of the opportunity. I can think of few students whom I would recommend as highly. She will add a great deal to any cohort of which she becomes part. Please contact me if there is anything else I can do on her behalf.

Sincerely,

Morana Lukač

Academic reference for Miss Giulia Viezzi

MASt in Astrophysics

Referee Details

Name	Professor Marc Verheijen	Job title	Full Professor
Email	m.a.w.verheijen@rug.nl	Department	
Phone		Institution	University of Groningen
Relationship	Academic Line Manager	City	Groningen
Known for	April 2023 through June 2023	Country	Netherlands

Reference

Academic ranking	Among the top 10% in year (i.e., in the top 4 if the group size was 40) There are typically 60-80 students registered for the course.
Student potential	Distinctly original/creative/independent of thought
Course suitability	Exceptionally Suitable

Reference provided as uploaded file. Please see the next page.



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 and engineering

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 institute

University of Cambridge
 admissions committee
 MAST in astrophysics

Prof. dr. M.A.W. Verheijen
 T: +31 (0)50 363 34077
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 E: M.A.W.Verheijen@astro.rug.nl

P.O.box 800
 9700 AV Groningen
 The Netherlands

www.rug.nl/research/kapteyn/

Date
 2023 December 1

Our ref
 ver-0222

Subject
 Letter of reference for
 Ms. **Giulia Viezzi**

Dear members of the selection committee,

I'm writing you in strong support of Ms. Giulia Viezzi who applies for enrollment in your MSc program on Particle & Nuclear Physics. As full professor at the Kapteyn Institute I have experienced Ms. Viezzi exclusively in her role as Teaching Assistant for the *Physics of Stars* course, a third year BSc course that I taught in April-June 2023. Ms. Viezzi had passed that same course in the previous year with a high mark.

The academic results of MS. Viezzi is outstanding. Her average grade for the 125 ECTS BSc program at the University of Groningen is a 8.1 and this would qualify her for a Cum Laude distinction. Unfortunately, she scored a 6.5 for the *Calculus 2* course and this is the only reason that she did not secure a Cum Laude distinction. In any case, given her academic performance and the curriculum of her BSc program, I have no doubt that she is extremely well prepared to successfully complete the MSc program at the University of Cambridge.

With BSc courses like *Astroparticle Physics*, *Quantum Physics 1 & 2*, Numerical Methods and *Mathematical Physics*, Ms. Viezzi has acquired all the relevant pre-knowledge to be able to follow the MSc-level courses on nuclear and particle physics.

As alluded to above, I have not experienced Ms. Viezzi as a student in a course that I have taught. However, in her role as a Teaching Assistant for an advanced BSc course she truly excelled, both in teaching the tutorial classes of some 25 students and in critically correcting the homework assignments and providing feedback to the students. She also made several suggestions for how to improve the tutorial exercises and the rubrics for the grading of the homework assignments, which is testimony to her capacity for critical thinking. With confidence I can state that she was among the very best of the dozens of Teaching Assistants that I have worked with as a teacher and course coordinator over the past years.

Ms. Viezzi displays a very outgoing attitude and she assumed a leadership position among her group of Teaching Assistants that supported the class I taught, in terms of setting up the grading sessions and guiding the other Teaching Assistants in their grading strategies. She was very visible and engaged within the institute, and contributed to educational and



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and engineering**

**kapteyn astronomical
institute**

social activities that benefited the well-being of our undergraduate students in general. I have no doubt that she will play a similar supportive role at the University of Cambridge.

Although Ms. Viezzi is of Italian origin, her command of the English language is exceptional. The entire astronomy curriculum at the University of Groningen is taught in English and this has been of no hindrance to her academic success. If the MSc lectures at the University of Cambridge are delivered in standard English then the language 'barrier' will pose no problem at all.

In conclusion, Ms. Viezzi is very well prepared and capable of successfully completing the MSc program that she applied for and I can wholeheartedly recommend her without reservation.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'M.A.W. Verheijen', enclosed within an oval shape.

Prof. dr. M.A.W. Verheijen

We thank you for your time spent taking this survey.
Your response has been recorded.

Below is a summary of your responses

[Download PDF](#)

Institute of Astronomy

Important: please read before continuing

In this form, you will be asked a series of questions to help us gather information about your **previous** university study. The questions relate to your previous study, not the course that you are currently applying to. Depending on department procedures, relevant contextual data may have a small impact on some funding opportunities, so if your application is eligible for University funding, we encourage you to fill in this form.

You will be given the opportunity to tell us about any events or circumstances that have had an impact on your education, and limited your ability to perform in your studies. **You do not need to provide personal or detailed information about these circumstances**, we only ask you give details of the **impact** that they have had on your studies.

Please only provide the information that you are asked for in the form, and leave the text box blank if you cannot/ do not wish to respond. You should only provide information in the form if you feel comfortable to do so. Your application will not be disadvantaged if you choose not to respond to the questions, and your academic merit will be assessed based on the information you provide in other parts of the application. Once you have completed this form, you will need to download a PDF copy of your answers to upload to the [applicant portal](#). You will be given the option to download the PDF at end of the form, and you will also receive a copy by email. This

the PDF at end of the form, and you will also receive a copy by email. This will be sent to you as soon as the form is submitted.

Your first name:

Giulia

Your surname:

Viezzi

Your email address:

viezzigiulia@gmail.com

Confirm your email address:

viezzigiulia@gmail.com

The following questions relate to your experience of studying at undergraduate/ bachelor's level.

Your undergraduate/ bachelor's institution:

University of Groningen

Did you undertake your degree full-time or part-time?

☒ **Full-time**

☐ Part-time (for any part of the degree)

When choosing your university, were there any factors other than grades that you felt limited your choice of institution?

e.g. not being able to live away from home, financial considerations, concerns about fitting in

Financial considerations were a major issue when applying to University. Identifying as woman also played a role: I was worried I would face discrimination entering a field which is mostly male dominated and still may holds sexist stereotypes, so I looked for a place where I expedited to feel welcomed. Mental health also was an important factor which influenced my choice. Finally, I wanted to study in English and after Brexit the Netherlands was one of the few places which offered such education.

Characters remaining: 499

Did you have any essential regular commitments that impacted the extent to which you could dedicate yourself to your studies? If so, please explain the impact of this on your studies.

e.g. caring responsibilities, being a single parent or guardian, employment during studies

To support myself financially I have chosen to work during my studies. This made me delay my studies.

Characters remaining: 898

Did you experience any serious disruption to your studies that prevented you from studying for at least 3 months over the course of a year? If so, please explain the impact of this on your studies. It is not necessary to provide details about the nature of the disruption.

e.g. illness, bereavement

No, I always studied with regularity

Characters remaining: 963

The following questions relate to your previous experience of university study at all levels (undergraduate and/or postgraduate).

Some students get off to a slower start than others in their studies, and later show an upward progression in their marks.

Were there any circumstances that you feel initially inhibited your academic performance? If so, please provide details of the impact on your studies, and the change in circumstances that allowed you to improve your

performance.

Adapting to a different grading system certainly had an impact on my studies. Covid also played a role, as my first year of University was online and adapting to the new reality was challenging at first. After the restriction were lifted, my motivation increased as well.

Characters remaining: 729

Please use the space below to let us know about anything else that has had an impact on your studies or educational pathway. You might like to explain any incomplete qualifications or course changes.

Characters remaining: 1000

Powered by Qualtrics [↗](#)

GIULIA VIEZZI

Astronomy Bachelor student

DETAILS

ADDRESS

Hoendiep 95, 9718 TE
Groningen

PHONE

+393338087555

EMAIL

viezzigiulia@gmail.com

NATIONALITY

Italian

SKILLS

Academic writing
Programming in Python
Problem solving
Creativity
Leadership
Teaching

PROFILE

After completing my Bachelor in Astronomy, I have explored many aspects of the field and I have developed a keen interest in cosmological research and neutrino astronomy. I also have independently studied literature about black holes and gravitational waves.

EDUCATION

University of Groningen

Groningen,
Netherlands

September 2020-present

- Minor in Gender Studies and Mythology
- Successfully obtained 140 ECTS with an average grade of 8.3
- Presented as the winner group for the research project for Observational Astronomy during the Physics, Astronomy and Mathematics Symposium.

United World Collage

Maastricht,
Netherlands

September 2018 - May 2020

- Studied the International Baccalaureate, with higher level subjects being Mathematics, Physics and Italian.
- Graduated with an overall finale grade of 36
- Italian national committee scholarship

Liceo Scientifico Giovanni Marinelli

Udine, Italy

September 2015 - June 2018

- Followed the Italian National Curriculum
- Average score of 9 out of 10

PROFESSIONAL EXPERIENCE

University of Groningen

Groningen,
Netherlands

April 2022 - present

- Teaching assistant for various courses, including Electricity and Magnetism laboratory and Waves and Optics

LANGUAGE

Language Skills

- Italian, native speaker
- English, native speaker
- Spanish, A2
- German, A1

HOBBIES

Reading books, Writing novels,
Cooking, Martial arts,
Travelling

- Mentor for the mentor program for first year students

Sindhu's Academy

Maastricht,
Netherlands

July 2022 - present

- Tutor for physics, teaching student following the International Baccalaureate
- I create and grade mock exam papers

EXTRA-CURRICULAR ACTIVITIES AND AWARDS

University of Groningen

Groningen,
Netherlands

September 2020- present

- Committee member of the astronomy study association Sirius A: I have helped organizing astronomy themed talks and social events
- ACLO University gym member: I am particularly passionate about squash and martial arts

United World Collage

Maastricht,
Netherlands

September 2018 - March 2020

- Volunteer at a primary school as teacher assistant
- Volunteer at art house Marres in Maastricht
- Theater prop crew
- Member of the group organizing the science conference "Let Science Talk".

Liceo Scientifico Giovanni Marinelli

Udine, Italy

2017-2018

- ASL Social Journal Università Luiss: I was part of a group of 5 students where we experimented different journalistic techniques such as blog posts or journalistic articles or videos and interviews
- Won the award "Premio Mediateche FVG" for the cinematic review of "Blade Runner 2049" for the literature contest "Scrivere di cinema", organised by Pordenonelegge 2018.