

Graduate Transcript

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Record of: **Amarel, James Louis**

Print Date: 26-JUL-22

ID: **951-63-9363**

Date of Birth: 06/05/XX
 Admit Term: Fall 2017
 Matric Term: Fall 2017
 UO Degrees: Doctor of Philosophy, Mar 19, 2022
 Major: Physics
 Dissertation: *On a Spectral Method for Calculating the Electrical Resistivity of a Low Temperature Metal from the Linearized Boltzmann Equation.*

Comments:
 Spring 2020 Advanced to Candidacy for PhD in Physics
 Cal Poly St U-San Luis Obispo BS 17-JUN-2017

Subject No Course Title Credits Grade Repeat

Fall 2017 **Physics** **Doctoral**
 PHYS 607 Sem Phys Colloquium 1.00 P*
 PHYS 609 Superv Tutoring 2.00 P*
 PHYS 610 Math Mthds Elec & Magn 4.00 A
 PHYS 611 Theoretical Mechanics 4.00 A+
 PHYS 631 Quantum Mechanics 4.00 A+
 Earned Hrs: 15.00 GPA Hrs: 12.00 Quality Pts: 50.40 GPA: 4.20

Winter 2018 **Physics** **Doctoral**
 PHYS 609 Superv Tutoring 1.00 P*
 PHYS 622 Electromagnetic Theory 4.00 A
 PHYS 632 Quantum Mechanics 4.00 A
 PHYS 674 Theor Condensed Matter 4.00 B
 Earned Hrs: 13.00 GPA Hrs: 12.00 Quality Pts: 44.00 GPA: 3.66

Spring 2018 **Physics** **Doctoral**
 PHYS 614 Statistical Physics 4.00 A+
 PHYS 623 Electromagnetic Theory 4.00 B
 PHYS 633 Quantum Mechanics 4.00 A
 PHYS 675 Theor Condensed Matter 4.00 A
 Earned Hrs: 16.00 GPA Hrs: 16.00 Quality Pts: 61.20 GPA: 3.82

Fall 2018 **Physics** **Doctoral**
 PHYS 601 Research 1.00 P*
 PHYS 605 Reading 1.00 P*
 PHYS 607 Sem Theoretical Phys 1.00 P*
 PHYS 609 Superv Tutoring 1.00 P*
 PHYS 610 Frontiers Cond Matter 2.00 P*
 PHYS 634 Adv Quantum Mechanics 4.00 A
 Earned Hrs: 10.00 GPA Hrs: 4.00 Quality Pts: 16.00 GPA: 4.00

Winter 2019 **Physics** **Doctoral**
 PHYS 601 Research 1.00 P*
 PHYS 605 Reading 1.00 P*
 PHYS 607 Sem Theoretical Phys 1.00 P*
 PHYS 607 Sem Phys Colloquium 1.00 P*
 PHYS 607 Sem Condensed Matter 1.00 P*
 PHYS 609 Superv Tutoring 1.00 P*
 PHYS 665 Quantum Field Theory 4.00 A-
 Earned Hrs: 10.00 GPA Hrs: 4.00 Quality Pts: 14.80 GPA: 3.70

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Subject No Course Title Credits Grade Repeat

Spring 2019 **Physics** **Doctoral**
 PHYS 601 Research 8.00 P*
 PHYS 607 Sem Physics Colloq 1.00 P*
 PHYS 607 Sem Theoretical Phys 1.00 P*
 PHYS 607 Sem Condensed Matter 1.00 P*
 PHYS 609 Superv Tutoring 1.00 P*
 PHYS 666 Quantum Field Theory 4.00 A-
 Earned Hrs: 16.00 GPA Hrs: 4.00 Quality Pts: 14.80 GPA: 3.70

Fall 2019 **Physics** **Doctoral**
 PHYS 601 Research 10.00 P*
 PHYS 605 Reading 3.00 P*
 PHYS 607 Sem Phys Colloquium 1.00 P*
 PHYS 607 Sem Theoretical Phys 1.00 P*
 PHYS 609 Superv Tutoring 1.00 P*
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Winter 2020 **Physics** **Doctoral**
 PHYS 601 Research 13.00 P*
 PHYS 607 Sem Theoretical Phys 1.00 P*
 PHYS 607 Sem Phys Colloquium 1.00 P*
 PHYS 609 Superv Tutoring 1.00 P*
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Spring 2020 **Physics** **Doctoral**
 PHYS 601 Research 16.00 P*
 COVID-19 disruption: remote instruction for courses; expanded pass/no pass grades.
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Fall 2020 **Physics** **Doctoral**
 PHYS 601 Research 13.00 P*
 PHYS 607 Sem Phys Colloquium 1.00 P*
 PHYS 609 Superv Tutoring 1.00 P*
 COVID-19 disruption: remote instruction for most courses; expanded pass/no pass grades.
 Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Winter 2021 **Physics** **Doctoral**
 PHYS 603 Dissertation 16.00 P*
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Spring 2021 **Physics** **Doctoral**
 PHYS 601 PHYS 601 Grad Research 16.00 P*
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Fall 2021 **Physics** **Doctoral**
 PHYS 603 Dissertation 16.00 P*
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Winter 2022 **Physics** **Doctoral**
 PHYS 603 Res 16.00 P*
 COVID-19 disruption: extended grade option change deadline.
 Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

(Continued on Page 2)

Issued to: **James Amarel**
 jlamarel@gmail.com



Julia A Pomeroy
 Julia A Pomeroy
 University Registrar

Graduate Transcript

Record of: Amarel, James Louis

Print Date: 26-JUL-22

ID: 951-63-9363

<i>Subject No</i>	<i>Course Title</i>	<i>Credits</i>	<i>Grade</i>	<i>Repeat</i>
Transcript Totals				
	<i>Earned Hrs</i>	<i>GPA Hrs</i>	<i>Points</i>	<i>GPA</i>
Total Institution:	207.00	52.00	201.20	3.86
Total Transfer:	0.00			
Overall:	207.00			
End of Transcript				



Issued to: James Amarel
jlamarel@gmail.com



Julia A Pomerenk
Julia A Pomerenk
University Registrar

Undergraduate Transcript

Record of: Amarel, James Louis

Print Date: 26-JUL-22

ID: 951-63-9363

Date of Birth: 06/05/XX

UO Degrees: Doctor of Philosophy, Mar 19, 2022

Major: Physics

Dissertation: On a Spectral Method for Calculating the Electrical Resistivity of a Low Temperature Metal from the Linearized Boltzmann Equation.

Comments: Cal Poly St U-San Luis Obispo BS 17-JUN-2017

Subject No	Course Title	Credits	Grade	Repeat
Winter 2018				
Physics			Doctoral	
PEO 242	Bouldering I	1.00	P*	
Earned Hrs: 1.00	GPA Hrs: .00	Quality Pts: .00	GPA: .00	
Summer 2018				
Physics			Doctoral	
PEMB 211	Hatha Yoga I	1.00	N*	
Earned Hrs: .00	GPA Hrs: .00	Quality Pts: .00	GPA: .00	
Winter 2019				
Physics			Doctoral	
PEO 285	Wilderness Survival	1.00	A	
Earned Hrs: 1.00	GPA Hrs: 1.00	Quality Pts: 4.00	GPA: 4.00	

Transcript Totals				
	Earned Hrs	GPA Hrs	Points	GPA
Total Institution:	2.00	1.00	4.00	4.00
Total Transfer:	0.00			
Overall:	2.00			

End of Transcript

Issued to: James Amarel
jlamarel@gmail.com



Julia A Pomerenk
Julia A Pomerenk
University Registrar

Accreditation

The University of Oregon is accredited by the Northwest Commission on Colleges and Universities.

Authenticity

An official University of Oregon transcript is printed on white security paper with a green background and a dark green border. The University seal appears in the center. Facsimiles of the University Registrar's signature and the University seal are printed at the bottom or on the reverse. If the transcript is photocopied, the word "void" will appear across the face. Attempts to alter the transcript using chemical agents will cause the paper to stain brown. A thermochromic ink square appears at the bottom of the page.

Academic records for students attending Fall 1986 and after are printed in portrait format (8½" x 11" vertical). Records prior to Fall 1986 are printed in landscape format (8½" x 11" horizontal). Some records of coursework taken prior to Fall 1986 may have been converted to the portrait format.

Separate transcripts are generated for each level: undergraduate, graduate, law. Students may request a partial transcript to include only a specific level.

In accordance with the recommendations of the American Association of Collegiate Registrars and Admissions Officers, all transcripts provided directly to the student, whether official or unofficial, will be marked "Issued to Student," or have other markings to clearly inform the receiver that the transcript has been personally handled by the student.

Degrees and Credit Awarded by other Institutions

Any information displayed reflecting degrees awarded by, or transfer work accepted from, other institutions should be verified with the original institution for accuracy.

Under the provisions of Public Law 93-380, the information provided in this document is not to be released to others without the written consent of the student. The University of Oregon is an equal opportunity, affirmative action institution committed to cultural diversity.

Course Numbering System

001-099	Remedial courses which carry no credit toward a degree. Exceptions: MATH 095 and first-year foreign languages taken prior to Summer 1982.
100-299	Lower-division undergraduate credit. H designates Honors College courses.
300-399	Upper-division undergraduate credit. H designates Honors College courses.
400-499	Upper-division undergraduate credit H designates Honors College courses. Prior to Fall 1990, courses designated G or M carry graduate credit.
500-599	Graduate credit intended for graduate students; undergraduates may be enrolled in the same course when a corresponding 400-level section is being offered. Prior to Fall 1990, with designation P, professional courses suitable for graduate students holding a bachelor's degree in a field other than their graduate professional field.
600-699	Graduate credit: enrollment limited to graduate students only.
700-799	Graduate credit for graduate professional degrees only.
Courses numbered 198, 199, 399, 400-410, 500-510, 600-610 and 700-710 may be repeated in successive terms under the same number, with varying credits. M designates multi-listed courses.	

Student Classification

Student major and type appear with each term designation for students attending after Summer 1990.

Undergraduate (UG)	Graduate (GR)	Law (LW)	Non-Admit (NU, NG)
Freshman (0-44 credits)	Post Baccalaureate	Unclassified	Unclassified
Sophomore (45-89 credits)	Pre-Masters	First Year	Community
Junior (90-134 credits)	Conditional-Masters	Second Year	Education
Senior (135+ credits)	Masters	Third Year	Pre-Baccalaureate
Post Baccalaureate	Post-Masters	Master of Laws	
	Conditional Doctoral		
	Doctoral		
	Post-Doctoral		

Grading System

Grade	Points	Definition
A	4	Excellent
B	3	Good
C	2	Satisfactory
D	1	Inferior performance. Not used Fall 1970-Summer 1977. Law School use effective Fall 1978.
F	0	Unsatisfactory performance, no credit awarded. Not used Fall 1970-Summer 1977.
+ or -	-	Plus or minus 0.30 points, effective Fall 1990; Law School: plus 0.50 points, Fall 1990-Summer 1993.
P	-	Satisfactory: undergraduate work, C- or above; graduate work, B- or above; law work, D- or above.
N	-	Less than satisfactory performance, no credit awarded: undergraduate work, D+ or lower; graduate work, C+ or lower. Law work calculated as F (0 points) in the GPA.
AU	-	Audit, no credit awarded. Effective Fall 1990.
W	-	Officially withdrawn without penalty.
I	-	Incomplete; when the quality of work is satisfactory, but some minor yet essential requirement must be completed.
X	-	No grade reported by the instructor. Recorded by the Registrar.
Y	-	No basis for grade. Recorded by the instructor. Used through Summer 2017.

Credit

Undergraduate and graduate credits are recorded in quarter hours. Effective Fall 1973, Credit on Law-level records is recorded in semester hours. Credit earned at another institution and accepted by the University of Oregon is recorded in quarter hours.

Symbols used on the Transcript

Immediately following the grade:

*	Course offered P/N only. Restriction set by Curriculum Committee or academic department.
#	Following grade of N, course taken P/N. Used Fall 1970-Summer 1977.
D or E	Repetition, or remedial course carrying no credit. Excluded from term and cumulative GPA. +
G	Repeated course, excluded from cumulative GPA only. Effective Fall 2016. +
L	Repeated course, included in term and cumulative GPA. Effective Fall 2016. +
M	Regression, included in term and cumulative GPA. Effective through Summer 2016, also used to indicate repetition. +
R	Reserved for graduate credit. Effective through Summer 1990.
+ Credit is awarded only once for non-repeatable courses, and is not awarded for regression or coursework taken beyond catalog limitations. GPA exclusions apply only to graded (A-F) courses.	

Immediately following the course title:

>1	Approved for Arts & Letters group. (Undergraduate degree requirement effective Fall 1982.)
>2	Approved for Social Science group. (Undergraduate degree requirement effective Fall 1982.)
>3	Approved for Science group. (Undergraduate degree requirement effective Fall 1982.)
>4	Approved for Science group and Math requirement. (Undergraduate degree requirement effective Fall 1983.)
>5	Approved for Math requirement. (Undergraduate degree requirement effective Fall 1983.)

Totals

Definitions: Ehrs, Earned hours; GPA-hrs, credits used in GPA calculation; Pts, quality points.

Academic Standing is indicated either in the comments section or as a notation following the term totals line.

Grade Point Average

The University of Oregon reinstated the GPA Fall 1990. No GPA is calculated for students last enrolled prior to Fall 1990. The GPA is determined by dividing the total points by total GPA hours. Only UO work is used in calculating the GPA.