

Graduate Transcript

Record of: **Welsh-Kavan, Jeremy Ian**

Print Date: 30-JUN-22

ID: **951-40-1986**

Date of Birth: 01/31/XX
High School: Grant High School, Jun 01, 2014
Admit Term: Fall 2020
Matric Term: Fall 2016
UO Degrees: Bachelor of Science, Jun 15, 2020
Cum Laude
Majors: Mathematics
Physics, with Departmental Honors
Master of Science, Jun 13, 2022
Major: Physics

Subject No	Course Title	Credits	Grade	Repeat
Transcript Totals				
	Earned Hrs	GPA Hrs	Points	GPA
Total Institution:	65.00	61.00	239.50	3.92
Total Transfer:	0.00			
Overall:	65.00			
End of Transcript				

Subject No	Course Title	Credits	Grade	Repeat
Fall 2020				
Physics		Doctoral		
CH 547	Computational Chem	4.00	A +	
PHYS 610	Math Mthds Elec & Magn	4.00	A	
PHYS 611	Theoretical Mechanics	4.00	B +	
PHYS 631	Quantum Mechanics	4.00	A +	
COVID-19 disruption: remote instruction for most courses; expanded pass/no pass grades.				
Earned Hrs: 16.00 GPA Hrs: 16.00 Quality Pts: 63.60 GPA: 3.97				
Winter 2021				
Physics		Doctoral		
PHYS 607	Sem Early Research	1.00	P*	
PHYS 612	Theoretical Mechanics	2.00	A	
PHYS 613	Statistical Physics	2.00	A	
PHYS 622	Electromagnetic Theory	4.00	B	
PHYS 632	Quantum Mechanics	4.00	B +	
Earned Hrs: 13.00 GPA Hrs: 12.00 Quality Pts: 41.20 GPA: 3.43				
Spring 2021				
Physics		Doctoral		
PHYS 607	Sem Physics Colloq	1.00	P*	
PHYS 607	Sem Early Research	1.00	P*	
PHYS 614	Statistical Physics	4.00	A-	
PHYS 623	Electromagnetic Theory	4.00	A	
PHYS 633	Quantum Mechanics	4.00	A +	
Earned Hrs: 14.00 GPA Hrs: 12.00 Quality Pts: 48.00 GPA: 4.00				
Fall 2021				
Physics		Doctoral		
BI 610	Adv Biol Statistics	4.00	A	
MATH 510	Machine Learn Stats	4.00	A	
Earned Hrs: 8.00 GPA Hrs: 8.00 Quality Pts: 32.00 GPA: 4.00				
Winter 2022				
Physics		Doctoral		
MATH 607	Sem Appl Math II Stats	1.00	W	
MATH 607	Sem Computer Algebra	5.00	A +	
COVID-19 disruption: extended grade option change deadline.				
Earned Hrs: 5.00 GPA Hrs: 5.00 Quality Pts: 21.50 GPA: 4.30				
Spring 2022				
Physics		Doctoral		
CIS 670	Data Science	4.00	A	
PHYS 510	Scientific Computation	4.00	A +	
PHYS 607	Sem Phys Colloquium	1.00	P*	
Earned Hrs: 9.00 GPA Hrs: 8.00 Quality Pts: 33.20 GPA: 4.15				

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Issued to: **Jeremy Welsh-Kavan**
jeremy@micromelody.net



Julia A Pomeroy
Julia A Pomeroy
University Registrar

Undergraduate Transcript

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Record of: **Welsh-Kavan, Jeremy Ian**

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Cum Laude
 Majors: Mathematics
 Physics, with Departmental Honors
 Master of Science, Jun 13, 2022
 Major: Physics

Transfer Work:
 14F-16S Portland Community College 46.00 Credits

Subject No Course Title Credits Grade Repeat

Fall 2016 Chemistry Undergraduate
 MATH 256 Intro Differ Equations > 5 4.00 A-
 MATH 307 Introduction to Proof > 4 4.00 C
 PHYS 251 Foundat Physics I > 3 4.00 A-
 PHYS 290 Foundations Phys Lab 1.00 C
 Earned Hrs: 13.00 GPA Hrs: 13.00 Quality Pts: 39.60 GPA: 3.04

Winter 2017 Chemistry Undergraduate
 ARH 354 Art Since 1945 > 1 4.00 A-
 MATH 281 Several-Variab Calc I > 5 4.00 A-
 MATH 341 Elem Linear Algebra 4.00 A+
 PHYS 252 Foundat Physics I > 3 4.00 B
 Earned Hrs: 16.00 GPA Hrs: 16.00 Quality Pts: 58.80 GPA: 3.67

Spring 2017 Mathematics Undergraduate
 MATH 282 Several-Variab Calc II > 5 4.00 A+
 MATH 315 Elementary Analysis 4.00 A+
 MATH 342 Elem Linear Algebra 4.00 A+
 PHYS 253 Foundat Physics I > 3 4.00 A
 Earned Hrs: 16.00 GPA Hrs: 16.00 Quality Pts: 67.60 GPA: 4.22
 Dean's List

Fall 2017 Mathematics Undergraduate
 MATH 413 Intro Analysis I 4.00 P
 MATH 421M Fourier Analysis I 4.00 A
 REL 321 Hist of Christianity > 2 4.00 A
 Earned Hrs: 12.00 GPA Hrs: 8.00 Quality Pts: 32.00 GPA: 4.00

Winter 2018 Mathematics Undergraduate
 ANTH 119 Anthropology & Aliens > 2 4.00 W
 MATH 411 Func Complex Var I 4.00 A
 MATH 422 Fourier Analysis II 4.00 A
 PSY 202 Mind and Society > 2 4.00 B+
 Earned Hrs: 12.00 GPA Hrs: 12.00 Quality Pts: 45.20 GPA: 3.76

Spring 2018 Mathematics Undergraduate
 ARH 210 Cntmp Asian Art & Arch > 1 4.00 A+
 EC 201 Intro Econ Analy Micro > 2 4.00 B+
 MATH 433 Intro Differen Geom 4.00 A-
 Earned Hrs: 12.00 GPA Hrs: 12.00 Quality Pts: 45.20 GPA: 3.76

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Subject No Course Title Credits Grade Repeat
Fall 2018 Mathematics Undergraduate
 MATH 444 Intro Abstract Alg I 4.00 B
 MATH 461 Intro Methods Stats I 4.00 A
 PHYS 401 Research 1.00 P*
 PHYS 412 Mechan/Electric/Magnet 4.00 A
 Earned Hrs: 13.00 GPA Hrs: 12.00 Quality Pts: 44.00 GPA: 3.66

Winter 2019 Mathematics Undergraduate
 PHYS 401 Research 1.00 P*
 PHYS 411 Mechan/Electric/Magnet 4.00 A
 PHYS 413 Mechan/Electric/Magnet 4.00 A+
 REL 353 Dark Self East/West > 1 4.00 B
 Earned Hrs: 13.00 GPA Hrs: 12.00 Quality Pts: 45.20 GPA: 3.76

Spring 2019 Mathematics Undergraduate
 EC 327 Intro to Game Theory > 2 4.00 A
 PHYS 391 Experim Data Analy Lab 4.00 A
 PHYS 410 Modern Optics Lab 4.00 A-
 PHYS 432 Digital Electronics 4.00 A
 Earned Hrs: 16.00 GPA Hrs: 16.00 Quality Pts: 62.80 GPA: 3.92
 Dean's List

Fall 2019 Mathematics Undergraduate
 PHIL 102 Ethics > 1 4.00 A-
 PHYS 351 Foundat Physics II 4.00 A+
 PHYS 414 Quantum Physics 4.00 A
 Earned Hrs: 12.00 GPA Hrs: 12.00 Quality Pts: 48.00 GPA: 4.00

Winter 2020 Mathematics Undergraduate
 MATH 351 Elem Numeric Analy I 4.00 A
 PHYS 352 Foundat Physics II 4.00 A-
 PHYS 415 Quantum Physics 4.00 A+
 Earned Hrs: 12.00 GPA Hrs: 12.00 Quality Pts: 48.00 GPA: 4.00

Spring 2020 Mathematics Undergraduate
 PHYS 353 Foundat Physics II 4.00 A+
 PHYS 417 Topics Quantum Physics 4.00 A+
 WR 123 College Composi III 4.00 A
 COVID-19 disruption: remote instruction for courses; expanded pass/no pass grades.
 Earned Hrs: 12.00 GPA Hrs: 12.00 Quality Pts: 50.40 GPA: 4.20

Fall 2021 Physics Doctoral
 PEO 251 Rock Climbing I 1.00 P*
 Earned Hrs: 1.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Winter 2022 Physics Doctoral
 PEAS 368 Scuba: Basic 2.00 P*
 COVID-19 disruption: extended grade option change deadline.
 Earned Hrs: 2.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

(Continued on Page 2)

Issued to: **Jeremy Welsh-Kavan**
 jeremy@micromelody.net



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 University Registrar

Undergraduate Transcript

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ID: **951-40-1986**

<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:	162.00	153.00	586.80	3.83
Total Transfer:	46.00			
Overall:	208.00			
End of Transcript				



Issued to: **Jeremy Welsh-Kavan**
jeremy@micromelody.net



Julia A Pomeroy
Julia A Pomeroy
University Registrar

THE INFORMATION IN THIS TRANSCRIPT IS CONFIDENTIAL AND SHOULD NOT BE RELEASED WITHOUT THE STUDENT'S WRITTEN CONSENT

TRANSCRIPT EXPLANATION PRINTED ON REVERSE SIDE

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.