

The Ohio State University

hereby confers upon

Ilias Sioutis

the degree of

Doctor of Philosophy

together with all the rights, privileges and honors appertaining thereto in consideration of the satisfactory completion of the course prescribed in

The Graduate School

In Testimony Whereof, the seal of the University and the signatures as authorized by the Board of Trustees are hereunto affixed.

Given at Columbus on the tenth day of December, in the year of our Lord two thousand six and of the University the one hundred thirty-seventh.



Robert C. Duncan
Chair of the Board of Trustees

Karen H. Holbrook
President of the University

David O. Fritz
Secretary of the Board of Trustees

BIRTH DATE: 03/22/77



1867760

PAGE: 1 OF 2
PRINTED: 10/11/07OSU DEGREES
DEGREE
DOCTOR OF PHILOSOPHYMAJOR/MINOR DATE
MAJ CHEM PHY 12/06

COURSE TITLE	DEPARTMENT	COURSE NUMBER	CREDIT	GRADE
INSTITUTIONS ATTENDED				
UNIVERSITY OF ATHENS	ATHENS	11/99		GREECE
PTYCHION				
10/95 TO 11/99				
GRADUATE SCHOOL				
SUMMER QUARTER 2000				
INTRO QUANTUM CHEM	CHEM	673	3	A
INDIVIDUAL STUDIES	CHEM	693	5	S
SEM TCHNG COL CHEM	CHEM	701	3	B+
MTHD THERTCL PHYS1	PHYSICS	730	4	A
QTR: HR= 10 PT= 37.9 PH=3.79 EH= 15				
AUTUMN QUARTER 2000				
QUANTUM CHEM 1	CHEM	861	3	B
CHEML KINETICS 1	CHEM	875	3	A-
COLLOQUIUM	CHEM	885	1	S
STAT PHYSICS 1	PHYSICS	846	4	A
QTR: HR= 10 PT= 36.1 PH=3.61 EH= 11				
WINTER QUARTER 2001				
SAFETY SEMINAR	CHEM	685	2	S
QUANTUM CHEM 2	CHEM	862	3	A
THERMODYNAMICS 1	CHEM	881	3	A
COLLOQUIUM	CHEM	885	1	S
STAT PHYSICS 2	PHYSICS	847	4	A-
SPECIAL TOPICS	PHYSICS	880.20	3	A
QTR: HR= 13 PT= 50.8 PH=3.90 EH= 16				
SPRING QUARTER 2001				
QUANTUM CHEM 3	CHEM	863	3	A
ELEC SPCT-STRC MOL	CHEM	866	3	A
COLLOQUIUM	CHEM	885	1	S
RES CHEM PHYS-DISS	CHEM PHY	999	4	S
QTR: HR= 6 PT= 24.0 PH=4.00 EH= 11				
SUMMER QUARTER 2001				
RES CHEM PHYS-DISS	CHEM PHY	999	12	S
ELEM COMPTN PRGRM	CPTR/INF	201	4	A-
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 12				
AUTUMN QUARTER 2001				
RES CHEM PHYS-DISS	CHEM PHY	999	12	S
PROGRAMMING IN C	CPTR/INF	459.21U	1	S
PROGRAMMING IN C++	CPTR/INF	459.22	1	W
ADV ST-PRL&DIST CM	CPTR/INF	888.11	1	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 13				
WINTER QUARTER 2002				
COLLOQUIUM	CHEM	885	1	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 16				
SPRING QUARTER 2002				
COLLOQUIUM	CHEM	885	1	S
RES CHEM PHYS-DISS	CHEM PHY	999	10	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 11				
SUMMER QUARTER 2002				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
AUTUMN QUARTER 2002				
COLLOQUIUM	CHEM	885	1	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 16				
WINTER QUARTER 2003				
GROUP STUDIES	CHEM PHY	894	3	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
SPECIAL TOPICS	PHYSICS	880.20	3	R
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 18				

***** CONTINUED IN COLUMN 2 *****

PROVIDED SOLELY FOR:

PAVLOS SIOUTIS
47 KEKROPOS KALLITHEA
ATHENS 17674
GREECEBrad Myers
University Registrar

COURSE TITLE	DEPARTMENT	COURSE NUMBER	CREDIT	GRADE
SPRING QUARTER 2003				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
SPECIAL TOPICS	PHYSICS	880.20	3	A
QTR: HR= 3 PT= 12.0 PH=4.00 EH= 18				
SUMMER QUARTER 2003				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
AUTUMN QUARTER 2003				
COLLOQUIUM	CHEM	885	1	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 16				
WINTER QUARTER 2004				
COLLOQUIUM	CHEM	885	1	S
FRONT SPECTROSCOPY	CHEM PHY	880	3	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 19				
SPRING QUARTER 2004				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
SUMMER QUARTER 2004				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
AUTUMN QUARTER 2004				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
WINTER QUARTER 2005				
FRONT SPECTROSCOPY	CHEM PHY	880	3	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 18				
SPRING QUARTER 2005				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
SUMMER QUARTER 2005				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
AUTUMN QUARTER 2005				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
WINTER QUARTER 2006				
FRONT SPECTROSCOPY	CHEM PHY	880	3	S
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 18				
SPRING QUARTER 2006				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				
SUMMER QUARTER 2006				
RES CHEM PHYS-DISS	CHEM PHY	999	15	S
QTR: HR= 0 PT= 0.0 PH=0.00 EH= 15				

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THE NAME OF THE UNIVERSITY IS PRINTED IN RED ACROSS THE FACE OF THIS DOCUMENT. A BLACK AND WHITE TRANSCRIPT IS NOT AN ORIGINAL. TRANSCRIPT KEY ON BACK.



Office of the University Registrar
Public Support (Transcripts)
320 Lincoln Tower
1800 Cannon Drive
Columbus, Ohio 43210-1282
Telephone: 614-292-8500

TRANSCRIPT KEY

RELEASE OF INFORMATION

This transcript cannot be released to another person, agency or organization except to officials internal to your own organization or agency who have a reasonable business use for the information. Release to other parties requires written consent of the student.

TRANSCRIPT AUTHENTICITY

Transcripts for students last enrolled *since Autumn Quarter 1985* will be laser printed from our automated records systems in portrait format. A transcript will be official when it bears the facsimile signature of the University Registrar and the university seal in black ink. If the transcript was issued to the student, the message "Issued to student" will appear below the signature of the University Registrar.

Transcripts for most students last enrolled *prior to Winter Quarter 1973* will be photocopied from a hard copy permanent academic record in landscape format. A transcript will be official when it bears the machine signature of the University Registrar, printed seal and date of issuance in red-orange ink that is fluorescent under black light. Transcript background will be white. If the transcript was issued to the student, the message, "Official Transcript Issued to Student" will appear in red ink.

Please contact the Office of the University Registrar at 614-292-8500 if clarification is needed.

ACCREDITATION

The Ohio State University (Columbus, Lima, Mansfield, Marion, Newark and the Agricultural Technical Institute, Wooster, Ohio) is accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution at the associate, baccalaureate, masters, professional and doctoral levels.

GOOD STANDING/PROBATION/DISMISSAL

To remain in good standing an undergraduate must maintain a 2.0 point hour ratio. Probation is posted as formal notice that a judgment on the dismissal of a student will be made following the subsequent quarter based on a satisfactory progress that quarter. Students may be placed on probation by accumulating a deficiency of 15 or more credit points below that required for a 2.0 point hour ratio or by special action of the college when preparation, progress, or the success with their Academic Program is determined to be unsatisfactory. When students do not make satisfactory progress in meeting the conditions placed by the college or school probation, they are dismissed. Dismissed students are ineligible to re-enroll until reinstated by any college or school within the University. Effective autumn quarter 2002, suspensions or dismissals for disciplinary or academic misconduct reasons will appear on the transcript.

CALENDAR

- The quarter system replaced the semester system in Autumn Quarter 1922 university wide.
- The semester system replaced the quarter system for the College of Law in Autumn Quarter 1984.

COURSE NUMBERING SYSTEM

(Established September 1967-Revised January 1975)

- 000-099 Non-Credit Courses (except certain seminars and colloquia) for orientation, remedial, or other noncollege-level experiences. Credit is not applicable to Graduation Requirements.
- 100-199 Basic Courses providing undergraduate Credit but not to be counted on a major or field of specialization in any department. Beginning Courses, Required, or Elective Courses that may be prerequisite to other courses.
- 200-299 Basic Courses providing Undergraduate Credit and may be counted on a major or field of specialization.
- 300-499 Intermediate Courses providing Undergraduate Credit or Basic Professional Credit that may be counted on a major or field of specialization.
- 500-599 Intermediate Courses providing Undergraduate or Professional Credit that may be counted on a major or field of specialization and may provide Graduate Credit only in other departments.
- 600-699 Courses providing Undergraduate or Professional Credit that may be counted on a major or field of specialization, and may provide Graduate Credit (in all departments).
- 700-799 Advanced Courses providing Undergraduate, Graduate, or Professional Credit.
- 800-999 Courses providing Graduate Credit and are open to undergraduates only with the approval of the Vice Provost for Research and Dean of the Graduate School.

COLLEGE OF LAW COURSE NUMBERING SYSTEM

- 500-599 First Year Courses
- 600-799 Upper Level Courses (2nd & 3rd Year)
- 800-899 Law Courses for General University Credit

GRADING SYSTEM

A	• Excellent.....4.0 Pts	EN	• Failure-Non Attendance.....0 Pts
A-	• Excellent.....3.7 Pts	K	• Transferred Credit.....0 Pts
B+	• Above Average.....3.3 Pts	I	• Incomplete.....0 Pts
B	• Above Average.....3.0 Pts	IP	• In Progress.....0 Pts
B-	• Above Average.....2.7 Pts	P	• Progress.....0 Pts
C+	• Average.....2.3 Pts	PA	• Pass.....0 Pts
C	• Average.....2.0 Pts	NP	• Non-pass.....0 Pts
C-	• Average.....1.7 Pts	R	• Registered to Audit.....0 Pts
D+	• Poor.....1.3 Pts	S	• Satisfactory.....0 Pts
D	• Poor.....1.0 Pts	U	• Unsatisfactory.....0 Pts
E	• Failure.....0 Pts	W	• Withdrew.....0 Pts
EM	• Examination Credit.....0 Pts	*	• Grade unreported by Instructor

Plus and minus values were added to the grading system Winter Quarter 1976. # notation denotes a course involved in the substitution of marks — see Recalculation of Averages

COLLEGE OF LAW NUMERIC GRADING SYSTEM

Prior to Summer 2006		
B	92-85	3.0 Pts
E	68-61	0.0 Pts
Effective Summer 2006		
A	100-93	4.0 Pts
B	86-83	3.0 Pts
C	76-70	2.0 Pts
A-	92-90	3.7 Pts
B-	82-80	2.7 Pts
D	69-65	1.0 Pts
C	84-77	2.0 Pts
B+	89-87	3.3 Pts
C+	79-77	2.3 Pts
E	64-60	0.0 Pts

UNIVERSITY CLASS RANKING SYSTEM

(Effective Summer Quarter 1975)

Student rank in all the undergraduate colleges is based on total credit hours completed and recorded. Graduate students are not ranked. Professional students are ranked according to progress within their curriculum.

Rank	Earned Hours
Freshman	0 through 44
Sophomore	45 through 89
Junior	90 through 134
Senior	135 and up

Rank begins anew when student enrolls in the professional divisions, schools, or colleges of Allied Medical Professions*, Dentistry, Education-Professional*, Law, Medicine, Nursing*, Optometry, Pharmacy, Veterinary Medicine, and the Agricultural Technical Institute.

*The provision is not applicable after Summer Quarter 1979.

GRADUATE CREDIT

All courses appearing once the student enters the Graduate School carry credit toward a graduate degree and are calculated in the graduate totals except where a "U" appears to the left of the credit hours notation for a course. The "U" indicates the course was taken for undergraduate credit only and has no effect on the calculation of the Graduate School totals.

HONORS CREDIT

An "E" prefix to the course number indicates an honors embedded course. (Effective September 2005.) An "H" prefix to the course number indicates an honors course or honors version of a course. (Effective July 1969.)

TECHNICAL CREDIT

A "T" prefix indicates a technical course which is part of a two year technical program. Some credit may later be transferred to a baccalaureate degree and are then separately recorded (effective September 1972).

RECALCULATION OF AVERAGES

SUBSTITUTION OF MARKS: Before the end of the sophomore level, an undergraduate student who has received a grade of D+, D or E in a course or courses taken during his/her freshman level may repeat or substitute up to 15 credit hours. The course or courses being substituted or repeated will bear the symbol "#" to the left of the grade. The previous course's grades are printed as #+, for the D+; #D for the D; #E for the E; and #N for the EN. Both the original course and grade and the new course and grade appear on the transcript; however, only the new grade counts toward hour totals and cumulative point hour ratios (effective September 1973).

The Graduate School and graduate professional colleges of Dentistry, Law, Medicine, Optometry, Pharmacy, and Veterinary Medicine, may formulate appropriate versions of this rule, subject to the approval of the Council on Academic Affairs, and will publish the rule in their respective bulletins. Students enrolled in the College of Veterinary Medicine may repeat or substitute a course for which the grade of C- or lower was earned in certain courses within their academic programs. The previous grade will be printed as previously noted; with C- being printed as #-.

The College of Law may permit students to repeat a first-year course where an initial grade of "D" or "E" was earned. The grade shall remain on the permanent record noted by a pound sign (#) but shall not count toward the cumulative point-hour average or credit toward graduation. A student may also be permitted to repeat an upper level course; the initial grade and the repeated grade are averaged for the purpose of cumulative point-hour determination. In this case, a record comment will appear on the transcript.

CUMULATIVE INFORMATION RECALCULATED: An undergraduate who enrolls in the University after an absence of five or more years may petition to have his/her point hour ratio recalculated. If the petition is approved, the student resumes his academic program with no cumulative point hour ratio. All courses taken will remain on the permanent record but only courses with marks of "A", "A-", "B+", "B", "B-", "C+", "C", "C-", "EM", "K", "PA", or "S" will be allowed toward degree requirements and count in the total hours earned (effective June 1979). A graduate student who re-enrolls in the Graduate School after an absence of five or more years may petition that previous graduate credit not be counted toward the total earned hours and graduate cumulative point hour ratio. No previous credit hours count in the student's total earned hours, averages or apply toward graduate degree requirements; and no previous grades are computed in the student's graduate cumulative point hour ratio. All previous courses taken and grades earned in the Graduate School remain on the student's official permanent record (effective September 1981).

SAFETY SECURE
PRINTING

Additional security features on this transcript include visible fibers and fluorescent fibers, which can only be seen under UV light, imbedded in the paper. Also, the paper is sensitive to chemical alteration. If authentic, when bleach is applied, a brown stain will appear. Also the OSU logo on the face of this document is printed in thermochromic ink. When briskly rubbed, the logo will fade. When rubbing stops, it will return to its normal color. Absence of these features or the one indicated on the face is evidence of alteration or duplication. ALTERATION, UNAUTHORIZED DUPLICATION, OR FORGERY OF THIS DOCUMENT MAY BE A CRIMINAL OFFENSE.

ILIAS SIOUTIS

BIRTH DATE: 03/22/77




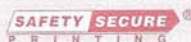
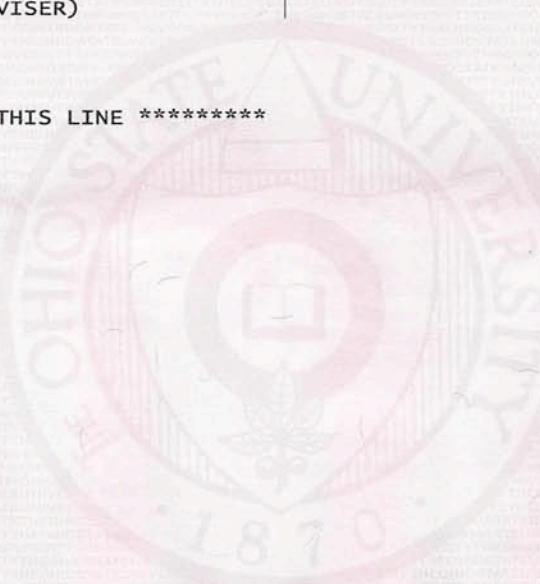
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PAGE: 2 OF 2
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OSU DEGREES
DEGREE
DOCTOR OF PHILOSOPHY

MAJOR/MINOR DATE
MAJ CHEM PHY 12/06

COURSE TITLE	DEPARTMENT	COURSE NUMBER	CREDIT	GRADE	PROVIDED SOLELY FOR:
AUTUMN QUARTER 2006					PAVLOS SIOUTIS 47 KEKROPOS KALLITHEA ATHENS 17674 GREECE
RES CHEM PHYS-DISS	CHEM PHY	999	15	S	
QTR: HR= 0	PT= 0.0	PH=0.00	EH= 15		
CUM: HR= 42	PT= 160.8	PH=3.82	EH=0393		
MAJOR: CHEMICAL PHYSICS					 <i>Brad Myers</i> University Registrar
***** CUMULATIVE SUMMARY *****					
***** RECORD COMMENTS *****					
AU06: DISSERTATION TITLE: "EXPERIMENTAL AND COMPUTATIONAL INVESTIGATION OF JAHN-TELLER ACTIVE AND OTHER MOLECULES"					
FINAL ORAL EXAMINATION COMMITTEE:					
TERRY A MILLER (CHAIR AND ADVISER)					
RUSSELL M. PITZER					
JOHN W. WILKINS					
JAMES D. JONTES					
***** NO ENTRIES BELOW THIS LINE *****					



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C+	• Average.....2.3 Pts	PA	• Pass.....0 Pts
C	• Average.....2.0 Pts	NP	• Non-pass.....0 Pts
C-	• Average.....1.7 Pts	R	• Registered to Audit.....0 Pts
D+	• Poor.....1.3 Pts	S	• Satisfactory.....0 Pts
D	• Poor.....1.0 Pts	U	• Unsatisfactory.....0 Pts
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RECALCULATION OF AVERAGES

SUBSTITUTION OF MARKS: Before the end of the sophomore level, an undergraduate student who has received a grade of D+, D or E in a course or courses taken during his/her freshman level may repeat or substitute up to 15 credit hours. The course or courses being substituted or repeated will bear the symbol "#" to the left of the grade. The previous course's grades are printed as #+, for the D+; #D for the D; #E for the E; and #N for the EN. Both the original course and grade and the new course and grade appear on the transcript; however, only the new grade counts toward hour totals and cumulative point hour ratios (effective September 1973).

The Graduate School and graduate professional colleges of Dentistry, Law, Medicine, Optometry, Pharmacy, and Veterinary Medicine, may formulate appropriate versions of this rule, subject to the approval of the Council on Academic Affairs, and will publish the rule in their respective bulletins. Students enrolled in the College of Veterinary Medicine may repeat or substitute a course for which the grade of C- or lower was earned in certain courses within their academic programs. The previous grade will be printed as previously noted; with C- being printed as #.

The College of Law may permit students to repeat a first-year course where an initial grade of "D" or "E" was earned. The grade shall remain on the permanent record noted by a pound sign (#) but shall not count toward the cumulative point-hour average or credit toward graduation. A student may also be permitted to repeat an upper level course; the initial grade and the repeated grade are averaged for the purpose of cumulative point-hour determination. In this case, a record comment will appear on the transcript.

CUMULATIVE INFORMATION RECALCULATED: An undergraduate who enrolls in the University after an absence of five or more years may petition to have his/her point hour ratio recalculated. If the petition is approved, the student resumes his academic program with no cumulative point hour ratio. All courses taken will remain on the permanent record but only courses with marks of "A", "A-", "B+", "B", "B-", "C+", "C", "C-", "EM", "K", "PA", or "S" will be allowed toward degree requirements and count in the total hours earned (effective June 1979). A graduate student who re-enrolls in the Graduate School after an absence of five or more years may petition that previous graduate credit not be counted toward the total earned hours and graduate cumulative point hour ratio. No previous credit hours count in the student's total earned hours, averages or apply toward graduate degree requirements; and no previous grades are computed in the student's graduate cumulative point hour ratio. All previous courses taken and grades earned in the Graduate School remain on the student's official permanent record (effective September 1981).