

Term Information

Effective Term Autumn 2018

General Information

Course Bulletin Listing/Subject Area Political Science
Fiscal Unit/Academic Org Political Science - D0755
College/Academic Group Arts and Sciences
Level/Career Graduate, Undergraduate
Course Number/Catalog 5000
Course Title Quantum Mind and Social Science
Transcript Abbreviation QuantMind&SocSci
Course Description Examines the growing, if still speculative, possibility that consciousness and therefore society are macroscopic quantum mechanical phenomena. If that's right, today's social sciences are based upon a fundamental mistake since they assume that human beings are classical machines. Replacing classical assumptions in social science with quantum ones would be a revolution in thought.
Semester Credit Hours/Units Fixed: 3

Offering Information

Length Of Course 14 Week, 12 Week, 8 Week, 7 Week, 6 Week, 4 Week
Flexibly Scheduled Course Never
Does any section of this course have a distance education component? No
Grading Basis Letter Grade
Repeatable No
Course Components Seminar
Grade Roster Component Seminar
Credit Available by Exam No
Admission Condition Course No
Off Campus Never
Campus of Offering Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites Permission of the instructor
Exclusions
Electronically Enforced Yes

Cross-Listings

Cross-Listings

Subject/CIP Code

Subject/CIP Code 45.1001
Subsidy Level Doctoral Course
Intended Rank Junior, Senior, Masters, Doctoral

Requirement/Elective Designation

The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes

- Students will understand the concept of the quantum mind and its impact on the social sciences.

Content Topic List

- The mind-body problem and social science
- Quantum theory and its interpretation
- Quantum consciousness and life
- A quantum model of man
- Language, light and other minds
- Agent-structure problem redux

Sought Concurrence

Yes

Attachments

- Curriculum Map BA Poli Sci.pdf: Curriculum Map BA Poli Sci
(Other Supporting Documentation. Owner: Smith,Charles William)
- Curriculum Map BA World Pol.pdf: Curriculum Map BA Wrld Pol
(Other Supporting Documentation. Owner: Smith,Charles William)
- Curriculum Map BS Poli Sci.pdf: Curriculum Map BS Poli Sci
(Other Supporting Documentation. Owner: Smith,Charles William)
- Philosophy concurrence email.pdf: Philosophy concurrence
(Concurrence. Owner: Smith,Charles William)
- Physics concurrence email.pdf: Physics concurrence
(Concurrence. Owner: Smith,Charles William)
- concurrence request list.pdf: concurrence request list
(Other Supporting Documentation. Owner: Smith,Charles William)
- syllabus Poli Sci 5000.pdf: Poli Sci 5000 syllabus
(Syllabus. Owner: Smith,Charles William)

Comments

- See 3-14-18 email to J Mitzen and C Smith. *(by Vankeerbergen,Bernadette Chantal on 03/14/2018 04:51 PM)*

COURSE REQUEST
5000 - Status: PENDING

Last Updated: Haddad,Deborah Moore
03/23/2018

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Smith,Charles William	02/21/2018 12:35 PM	Submitted for Approval
Approved	Herrmann,Richard Karl	02/21/2018 01:02 PM	Unit Approval
Approved	Haddad,Deborah Moore	02/21/2018 03:52 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	03/14/2018 04:51 PM	ASCCAO Approval
Submitted	Smith,Charles William	03/23/2018 02:01 PM	Submitted for Approval
Approved	Herrmann,Richard Karl	03/23/2018 02:06 PM	Unit Approval
Approved	Haddad,Deborah Moore	03/23/2018 02:47 PM	College Approval
Pending Approval	Nolen,Dawn Vankeerbergen,Bernadette Chantal Oldroyd,Shelby Quinn Hanlin,Deborah Kay Jenkins,Mary Ellen Bigler	03/23/2018 02:47 PM	ASCCAO Approval

QUANTUM MIND AND SOCIAL SCIENCE

Political Science 5000 Fall 2018

(Meets TR 2:20 – 3:40, Derby Hall #####)

Instructor: Professor Alexander Wendt

Offices: 2180 Derby Hall (Department of Political Science) &
204C Mershon Center for International Security Studies

Hours: W 1:00 – 4:00 and by appointment

Email: wendt.23@osu.edu (preferred)

Phone: 614-282-9200 (if necessary)

Course Description

This seminar takes seriously the growing, if still quite speculative, possibility that consciousness, and thus human behavior and society, are macroscopic quantum mechanical phenomena. If that's true, then today's social sciences are based upon a fundamental mistake, since they at least implicitly assume that social life is governed or at least constrained by the laws of classical physics – as seen in the unquestioned use of classical logic, classical probability theory, classical decision theory, classical game theory, and so on to model human behavior, rather than their quantum counterparts. And indeed, some of the most powerful evidence to date that the classical assumption *is* mistaken comes from quantum decision theory, which shows that by “quantizing” the axioms of expected utility theory, we can explain the long-known but poorly understood deviations from rational behavior known as “Kahneman-Tversky effects.”

Our treatment in this seminar of this and other emerging bodies of quantum social scientific scholarship will not be as mathematical as all that; in fact, it will not be mathematical at all. After a concentrated but qualitative introduction to quantum theory, our focus instead will be on exploring the *philosophical* challenges of quantizing social science – questions of social ontology, epistemology, and normativity – which as the philosophy of physics literature itself shows, can be addressed to a surprising degree without mathematics. However, that hardly lets us off the hook, since the philosophical questions are quite daunting in their own right due to their unfamiliarity, abstraction, and inter-disciplinary nature. Not to worry though: in this context we are all beginners.

With that in mind, the emphasis throughout the course will be on “exploring,” both because the ideas are speculative, and because to my knowledge such a course has never been taught before, anywhere. That means that there is no template for a *good* syllabus, but we at least have one for *a* syllabus, namely my recent book, Quantum Mind and Social Science: Unifying Physical and Social Ontology (QMASS) (Cambridge University Press, 2015), which along with supplementary readings we will read over the course of the semester (the 14 chapter headings are reproduced in the weekly seminar headings below). There is of course the potential in such a context of creating a bias or “party line” in the class. However, there are over 1000 references in QMASS’ bibliography, many of which are critical of the ideas in the book, so students will have ample access to – and be encouraged to seek out – other points of view. Moreover, one of our goals in the first iteration of the course will be precisely to see whether that book, or that way of working through it, “works” pedagogically in this context, vs. should be replaced in the second iteration with some other approach.

Finally, although the seminar is aimed primarily at social and cognitive scientists, we will be touching on a wide range of topics that transcend the physical/social science divide. The opportunity this presents for an extraordinary inter-disciplinary conversation will be greatest if the course attracts not only social scientists but, on the one side, students from the physical and biological sciences, and on the other, from the humanities as well. All are welcome and indeed strongly encouraged to take the course.

Prerequisites

Ironically, the more formal coursework a student has done in social science, the more socialized they will be to classical thinking, and thus *less* prepared to think in quantum terms. So while the course may be inappropriate for students with no background at all, there is also no reason prior coursework alone should determine eligibility. Thus in this first iteration there are *no prerequisites* except an ability to contribute to a high level, outside-the-box philosophical discussion. To assess that ability, all prospective students will be asked to write a two-paragraph essay about their background and interest in the course, which I will use in conjunction with other considerations (like multi-disciplinarity and balance of various kinds) in putting together the class list.

Expectations and Grades

Students’ grades will be based on two components, participation (1/3 of the final grade) and writing a paper (2/3 of the final grade). As a 5000-level course I hope to have both graduate students and undergraduates enrolled, but since the former are unlikely to have any significant systematic advantage over the latter intellectually, **all students will do the same assignments and be held to the same standard of excellence.**

Participation Component (1/3):

All students are expected to attend class. Formal attendance will not be taken, but excessive unexcused absences will be noticed and factored into the participation grade at the margin.

All students are expected to come to class prepared to discuss the day's readings in a thorough and thoughtful fashion.

The success of any seminar depends on the contributions of its members, and particularly in an experimental course like this. Mindful that a) most students will be encountering these ideas for the first time; but on any given day, b) some may have background that exceeds mine; and c) with QMASS as the core text, I am more interested in how students "measure" or use it than I am in measuring their knowledge of its ideas – mindful of all that, then, I hope to make the seminar as collaborative as possible.

To that end, starting in Week Three each class session will be co-led by me and a small team of students, with whom I will meet the week before class to create the lesson plan for that day jointly. The number of students on these teams, number of times they will be on deck, and which days they will be in charge, will depend on the size and composition of the class. However, my hope is that students will lead 3 or 4 times, and to do so for topics in which they are personally interested.

1/3 of the participation grade will come from traditional, individual participation in class discussions (both quality and quantity counting), and 2/3 will come from the collaborative leadership work.

Writing Component (2/3):

All students will satisfy one of the following two paper options.

- 1) One free-standing, research style seminar paper of about 25 pages;

OR

- 2) Two 12 page review essays (each worth 1/3 of the final grade)

Paper topics must be approved by the instructor, who will encourage students to build on their strengths and make their papers as concrete and narrowly focused as possible. However, within those constraints students may write on anything relating to quantum social science that they wish, whether pro or con. (Note the interim deadlines for the paper, for which students will receive a checkmark).

Grading Scheme:

Grades will be based on the following scale:

A	93-100	C+	77-80	E	<60
A-	90-93	C	73-77		
B+	87-90	C-	70-73		
B	83-87	D+	67-70		
B-	80-83	D	60-67		

Course Readings

Quantum Mind and Social Science is available in paperback on Amazon. All other readings are on Carmen, and are required except those clearly marked as “Optional.”

The required readings involve no mathematics. However, students who are comfortable with formal treatments of quantum theory are strongly encouraged to obtain Jerome Busemeyer and Peter Bruza’s Quantum Models of Cognition and Decision (Cambridge University Press, 2012); and/or William Mullin’s Quantum Weirdness (Oxford University Press, 2017), a beginner’s introduction to the mathematics of quantum theory.

While chosen for their relative accessibility, the readings are likely to be highly challenging for most students. Given this expectation, a) the quantity of reading is light for a 5000 level course (<50 pages/week); and b) students will be encouraged to read everything twice, quickly first and then carefully a second time.

ACADEMIC MISCONDUCT

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of wrongdoing wherever committed; illustrated by, but not limited to, plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the

Code of Student Conduct
(<http://studentaffairs.osu.edu/csc>).

DISABILITY SERVICES

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations I may request that you register with Student Life Disability Services. After registration, contact me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; <https://slds.osu.edu>; 098 Baker Hall, 113 W. 12th Avenue.

CALENDAR

T Aug 21: Course Overview

No Reading

R Aug 23: The Mind-Body Problem and Social Science

Read: Chalmers, David (1995) – “Facing Up to the Problem of Consciousness,”
Journal of Consciousness Studies, 2(3), 200-219

Sylvester, Christine (2012) – “War Experiences/War Practices/War Theory,” Millennium, 40(3), 483-503

T Aug 28: Preface to a Quantum Social Science (I)

Read: QMASS, Chapter 1, pp. 1-37

R Aug 30: Preface to a Quantum Social Science (II)

Optional: Fry, Iris (2012) – “Is Science Metaphysically Neutral?,” Studies in History and Philosophy of Biological and Biomedical Sciences, 43, 665-673

Part I: Quantum Theory and Its Interpretation

T Sept 4: Three Experiments (I)

Due: One paragraph paper proposal

Watch in Class: ~40 Minute Introduction to Quantum Physics (I’m still shopping films) or presentation on the subject by a live physicist

Read: QMASS, Chapter 2, pp. 39-57

R Sept 6: Three Experiments (II)

Read: Atmanspacher, Harald and Thomas Filk (2014) – “Non-Commutative Operations in Consciousness Studies,” Journal of Consciousness Studies, 21(3-4), 24-39

Goff, Allan (2006) – “Quantum Tic-Tac-Toe: A Teaching Metaphor for Superposition in Quantum Mechanics,” American Journal of Physics, 74(11), 962-973

T Sept 11: Six Challenges (I)

Read: QMASS, Chapter 3, pp. 58-69

Kim, Jaegwon (1974) – “Noncausal Connections,” Nous, 8(1), 41-52

Esfeld, Michael (2004) – “Quantum Entanglement and a Metaphysics of Relations,” Studies in History and Philosophy of Modern Physics, 35, 625-641 (read only up to p. 636)

R Sept 13: Six Challenges (II)

Optional: Teller, Paul (1986) – “Relational Holism and Quantum Mechanics,” British Journal for the Philosophy of Science, 37(1), 71-81

T Sept 18: Five Interpretations

Due: Preliminary bibliography (~20 references)

Read: QMASS, Chapter 4, pp. 70-89

Fuchs, Christopher (2014) – “Quantum Bayesianism for the Uninoculated,” in H. Atmanspacher and C. Fuchs, eds., The Pauli-Jung Conjecture and its Impact Today, Imprint Academic, pp. 69-91

Optional: Rosenblum, Bruce and Fred Kuttner (1999) – “Consciousness and Quantum Mechanics,” Journal of Mind and Behavior, 20(3), 229-256

R Sept 20: Quantum Brain Theory

Read: QMASS, Chapter 5, pp. 91-108

Baars, Bernard and David Edelman (2012) – “Consciousness, Biology and Quantum Hypotheses,” Physics of Life Reviews, 9(3), 285-294

Optional: Marshall, I.N. (1989) – “Consciousness and Bose-Einstein Condensates,” New Ideas in Psychology, 7(1), 73-83

Part II: Quantum Consciousness and Life

T Sept 25: Panpsychism and Neutral Monism (I)

Read: QMASS, Chapter 6, pp. 109-130

Bennett, Jane (2004) – “The Force of Things: Steps toward an Ecology of Matter,” Political Theory, 32(3), 347-372

R Sept 27: Panpsychism and Neutral Monism (II)

Optional: Atmanspacher, Harald (2015) – “Quantum Approaches to Consciousness,” Stanford Encyclopedia of Philosophy

T Oct 2: A Quantum Vitalism

Read: QMASS, Chapter 7, pp. 131-147

Davies, Paul (2004) – “Does Quantum Mechanics Play a Non-Trivial Role in Life?,” Biosystems, 78, 69-79

Optional: Melkikh, Alexey and Andrei Khrennikov (2015) – “Nontrivial Quantum and Quantum-Like Effects in Biosystems: Unsolved Questions and Paradoxes,” Progress in Biophysics and Molecular Biology, 119, 137-161

R Oct 4: Quantum Cognition and Rational Choice (I)

Read: QMASS, Chapter 8, pp. 149-173

Bruza, Peter, Zheng Wang and Jerome Busemeyer (2015) – “Quantum Cognition: A New Theoretical Approach to Psychology,” Trends in Cognitive Sciences, 19(7), 383-393

Polonioli, Andrea (2014) – “Blame It on the Norm: The Challenge from ‘Adaptive Rationality’,” Philosophy of the Social Sciences, 44(2), 131-150

T Oct 9: Quantum Cognition and Rational Choice (II)

Optional: Pothos, Emmanuel and Jerome Busemeyer (2013) – “Can Quantum Probability Provide a New Direction for Cognitive Modeling?,” Behavioral and Brain Sciences, 36(3), 255-327 (with peer commentary and response)

R Oct 11: Autumn Break – No Class

Part III: A Quantum Model of Man

T Oct 16: Agency and Quantum Will

Read: QMASS, Chapter 9, pp. 174-188

Varga, Somogy (2011) – “Existential Choices: To What Degree is Who We Are a Matter of Choice?,” Continental Philosophy Review, 44, 65-79

Optional: Ho, Mae-Wan (1996) – “The Biology of Free Will,” Journal of Consciousness Studies, 3(3), 231-244

R Oct 18: Non-Local Experience in Time (I)

Read: QMASS, Chapter 10, pp. 189-205

Weberman, David (1997) – “The Nonfixity of the Historical Past,”
Review of Metaphysics, 50, 749-768

T Oct 23: Non-Local Experience in Time (II)

Optional: Filk, Thomas (2013 – “Temporal Non-Locality,” Foundations of Physics, 43(4), 533-547

Forsdyke, Donald (2009) – “Samuel Butler and Human Long Term Memory: Is the Cupboard Bare?,” Journal of Theoretical Biology, 258, 156-164

R Oct 25: Quantum Semantics and Meaning Holism (I)

Read: QMASS, Chapter 11, pp. 207-221

Kitto, Kirsty, et al. (2011) – “Quantum Theory Beyond the Physical: Information in Context,” Axiomathes, 21, 331-345

Ochs, Elinor (2012) - “Experiencing Language,” Anthropological Theory, 12(2), 142-160

T Oct 30: Quantum Semantics and Meaning Holism (II)

Optional: Aerts, Diederik (2010) – “Interpreting Quantum Particles as Conceptual Entities,” International Journal of Theoretical Physics, 49(12), 2950-2970

Part IV: Language, Light, and Other Minds

R Nov 1: Direct Perception and Other Minds (I)

Read: QMASS, Chapter 12, pp. 222-242

Catmur, Caroline (2015) – “Understanding Intentions from Actions: Direct Perception, Inference, and the Roles of Mirror and Mentalizing Systems,” Consciousness and Cognition, 36, 426-433

Grandy, David (2002) – “Light as a Solution to Puzzles about Light,”
Journal for General Philosophy of Science, 33, 369-379

T Nov 6: Direct Perception and Other Minds (II)

Optional: Turvey, Michael (2015) – “Quantum-Like Issues at Nature’s Ecological Scale (the Scale of Organisms and their Environments),” Mind and Matter, 13(1), 7-44

Part V: The Agent-Structure Problem Redux

R Nov 8: An Emergent, Holistic but Flat Ontology (I)

Read: QMASS, Chapter 13, pp. 243-266

Emirbayer, Mustafa (1997) – “Manifesto for a Relational Sociology,”
American Journal of Sociology, 103(2), 281-317 (**read only through p. 297**)

List, Christian and Kai Spiekermann (2013) – “Methodological Individualism and Holism in Political Science: A Reconciliation,”
American Political Science Review, 107(4), 629-643

T Nov 13: An Emergent, Holistic but Flat Ontology (II)

Optional: Sawyer, Keith (2002) – “Durkheim’s Dilemma: Toward a Sociology of Emergence,” Sociological Theory, 20(2), 227-247

R Nov 15: Toward a Quantum Vitalist Sociology (I)

Read: QMASS, Chapter 14, pp. 267-282

Clark, Andy and David Chalmers (1998) – “The Extended Mind,”
Analysis, 58(1), 7-19

Schotanus, Patrick (201#) – “Mr. Market’s Mind: A Collective Consciousness,” Mind and Matter, ##, 119-153

T Nov 20: Toward a Quantum Vitalist Sociology (II)

Optional: Kesebir, Selin (2012) – “The Superorganism Account of Human Sociality,” Personality and Social Psychology Review, 16(3), 233-261

R Nov 22: Thanksgiving – No Class

Part VI: Looking Ahead

T Nov 27: Objectivity and Quantum Epistemologies

Read: QMASS, Conclusion, pp. 282-293

D’Espagnat, Bernard (2011) – “Quantum Physics and Reality,”
Foundations of Physics, 41, 1703-1716

Kuhlmann, Meinard and Stuart Glennan (2014) – “On the Relation
between Quantum Mechanical and Neo-Mechanistic Ontologies
and Explanatory Strategies,” European Journal for Philosophy of
Science, 4, 337-359

Optional: Barad, Karen (2003) - “Posthumanist Performativity: Toward an
Understanding of How Matter Comes to Matter,” Signs, 28(3), 801-831

R Nov 29: Normativity and Quantum Political Theory

Read: O’Brien, Karen (2016) – “Climate Change and Social Transformations: Is
It Time for a Quantum Leap?” WIREs Climate Change, (8 pp)

Dhall, Amar (2010) – “On the Philosophy and Legal Theory of Human
Rights in Light of Quantum Holism,” World Futures, 66, 1-25

Optional: Wright, George (1990/91) – “Should the Law Reflect the World?:
Lessons for Legal Theory from Quantum Mechanics,” Florida State
University Law Review, 18, 855-881

T Dec 4: No Class, Extra Class or Make-Up Class TBD

F Dec 7: Final Papers Due

Political Science 5000: Quantum Mind and Social Science

Concurrences requested 8:46am on 2/5/18 from:

Philosophy – Dr. Justin D’Arms (.1)

Physics – Dr. Robert Perry (.6)

Psychology – Dr. John Bruno (.1)

Requested a reply by 2/19/2018 (2 weeks)

From: [D'Arms, Justin](#)
To: [Smith, Charles William](#)
Subject: Re: Request for course concurrence
Date: Monday, February 5, 2018 8:48:08 AM

Philosophy is happy to concur in the creation of the course.

Justin D'Arms
Professor and Chair
Department of Philosophy
Ohio State University
350 University Hall
230 North Oval Mall
Columbus, OH 43201
Phone (614) 292-7914

On Feb 5, 2018, at 8:43 AM, Smith, Charles William
<smith.3280@polisci.osu.edu> wrote:

<syllabus Poli Sci 5000.pdf>

From: [Perry, Robert](#)
To: [Smith, Charles William](#)
Subject: RE: Request for course concurrence
Date: Friday, February 16, 2018 5:02:06 PM
Attachments: [image001.png](#)

Charles,

I have not handled many of these. Is my signature as Vice Chair of Graduate Studies sufficient?

I must admit I'm skeptical of macroscopic social events revealing any necessary quantum underpinnings but I read enough to see this is a serious effort and find it intriguing.

Robert Perry
Professor & Vice Chair for Undergraduate Studies
Department of Physics Ohio State

From: Smith, Charles William
Sent: Monday, February 05, 2018 8:44 AM
To: Perry, Robert
Subject: Request for course concurrence

Good morning Dr. Perry,

One of our faculty members in Political Science, Dr. Alexander Wendt, has designed a new course in Political Science—Political Science 5000 The Quantum Mind and Social Science. Dr. Deborah Haddad suggested that we seek course concurrence from your department (along with Philosophy and Psychology).

Please find attached to this email a copy of Professor Wendt's syllabus and a course concurrence form.

We very much appreciate your consideration of this course and look forward to your reply.

Thank you.

Charles Smith



Charles Smith

Coordinating Advisor

Department of Political Science

2140B Derby Hall, 154 N. Oval Mall, Columbus, OH 43210

614-292-1484 Office / 614-292-1146 Fax

smith.3280@osu.edu osu.edu

To schedule an appointment, please call 614-292-6961

Curriculum Map: BA Political Science

Political science is the study of public power: its mobilization, exercise, and transformation by governments, political parties, interest groups, and mass behavior. Political scientists examine the causes and effects of political power and institutions in decision-making and governance at various levels, from the local to the global. We employ both scientific and humanistic perspectives and a variety of methodological approaches to analyze political structures and processes in all regions of the world.

Learning Goals:

1. Acquire basic knowledge across the four major fields of political science--American Politics, Comparative Politics, International Relations, and Political Theory.
-Students accomplish this goal by taking introductory and "pre-major" classes at the 1000 through 3000 level.
2. Gain deeper knowledge of the scholarly literature in one of the four major fields.
-Students accomplish this goal primarily in courses at the 4000 and 5000 level, although 2000- and 3000-level courses may also contribute to this knowledge base.
3. Become familiar with debates about theories, research methods, and substantive issues, and learn to engage and assess contributions to the literature.
-Students accomplish this goal primarily in courses at the 4000 and 5000 level, although 3000-level courses may also contribute to this knowledge base.
4. Develop analytic and critical thinking skills that will enable them to rigorously evaluate competing arguments and to appraise value-based claims.
-Students accomplish this goal primarily in courses at the 4000 and 5000 level, although 1000-, 2000- and 3000-level courses may also contribute to this knowledge base.

Political science majors will acquire a knowledge foundation and an array of skills enabling them to pursue a wide variety of professional and leadership roles and to become responsible and well-informed citizens. We prepare our students for post-graduate studies in numerous areas including public policy, international affairs, law, business, and political science. Our department's challenging and supportive learning environment gives the students the confidence to assume progressively greater initiative and independence through their undergraduate years and beyond.

Level Index:

- A = Basic
- B = Higher-level Introductory
- C = Broad-based Advanced
- D = Focused Advanced

Overview of Program Learning Goals

Course Number	Course	Field	Credit Hours	Learning Goals			
				1	2	3	4
Pre-Major Courses							
1100	Intro to American Politics	American Politics	3	x			x
1200	Intro to Comparative Politics	Comparative Politics	3	x			x
1300	Global Politics	International Relations	3	x			x
2150	Voters & Elections	American Politics	3	x	x		x
2300	American Foreign Policy	International Relations	3	x	x		x
2400	Intro to Political Theory	Political Theory	3	x	x		x
Field Distribution							
				x	x	x	x
Focus Area							
					x	x	x
Course Levels							
	1000(A)			x			x
	2000(B)			x	x		x
	3000(B)			x	x	x	x
	4000(C)				x	x	x
	5000(D)				x	x	x

Program Learning Goals for All Undergraduate Courses

Course Number	Course	Field	Credit Hours	Learning Goals			
				1	2	3	4
Level A							
1100	Intro to American Politics	American Politics	3	x			x
1105	American Political Controversies	American Politics	3	x			x
1165	Intro to Politics	American Politics	3	x			x
1200	Intro to Comparative Politics	Comparative Politics	3	x			x
1300	Global Politics	International Relations	3	x			x
Level B							
2150	Voters & Elections	American Politics	3	x	x		x
2194	Group Studies	American Politics	3	x	x		x
2300	American Foreign Policy	International Relations	3	x	x		x
2367	Contemp Issues in American Politics	American Politics	3	x	x		x
2400	Intro to Political Theory	Political Theory	3	x	x		x
2496	Study at a Domestic Institution	Variable		x	x		x

3100	American Politics & Policy Making	American Politics	3	x	x	x	x
3115	Intro to the Policy Process	American Politics	3	x	x	x	x
3170	Political Psychology	American Politics	3	x	x	x	x
3191	Internship	American Politics	1		x	x	x
3220	Politics of the Developing World	Comparative Politics	3	x	x	x	x
3225	Post-Conflict Reconstruction	Comparative Politics	3	x	x	x	x
3275	Politics of Sports	Comparative Politics	3	x	x	x	x
3290	Comparative Public Policy	Comparative Politics	3	x	x	x	x
3110(H)	Defense Policy & National Security	International Relations	3	x	x	x	x
3420	Political Theories of Democracy	Political Theory	3	x	x	x	x
3430	Political Theories of Freedom	Political Theory	3	x	x	x	x
3440	Political Theories of Justice	Political Theory	3	x	x	x	x
3450	Ethics and Public Policy	Political Theory	3	x	x	x	x
3460	Global Justice	Political Theory	3	x	x	x	x
3549	Survey Research in Political Science	Political Theory		x	x	x	x
3596.01	Politics of Crime and Punishment	American Politics	3	x	x	x	x
3596.02(H)	Nationalism & Ethnicity	Comparative Politics	3	x	x	x	x
3780	Data Literacy & Data Visualization	Variable	3	x	x	x	x
3905	Political Manipulation	American Politics	3	x	x	x	x
3910	Identity Politics	International Relations	3	x	x	x	x
3912	Political Leadership	American Politics	3	x	x	x	x
Level C							
4110	The American Presidency	American Politics	3		x	x	x
4115	Bureaucracy & Public Policy	American Politics	3		x	x	x
4120	US Congress	American Politics	3		x	x	x
4123	Political Crisis & Reform	American Politics	3		x	x	x
4125	American State Politics	American Politics	3		x	x	x
4126	Ohio Politics	American Politics	3		x	x	x
4127	Governing Urban America	American Politics	3		x	x	x
4127H	Honors City Politics	American Politics	3		x	x	x
4130	Law & Politics	American Politics	3		x	x	x
4132H	Supreme Court Decision Making	American Politics	3		x	x	x
4135	American Constitutional Law	American Politics	3		x	x	x
4136	Civil Liberties	American Politics	3		x	x	x

4137	Politics of Legal Decision Making	American Politics	3	x	x	x
4138	Women & the Law	American Politics	3	x	x	x
4139 (E)	Gun Politics	American Politics	3	x	x	x
4140	Black Politics	American Politics	3	x	x	x
4143	Race, Ethnicity and American Politics	American Politics	3	x	x	x
4145	Asian American Politics	American Politics	3	x	x	x
4150	American Political Parties	American Politics	3	x	x	x
4152	Campaign Politics	American Politics	3	x	x	x
4160	Public Opinion	American Politics	3	x	x	x
4162	Religion & American Politics	American Politics	3	x	x	x
4164	Pol Participation & Voting Behavior	American Politics	3	x	x	x
4165	Mass Media & American Politics	American Politics	3	x	x	x
4170	Gender & Politics	American Politics	3	x	x	x
4175	Women, Government & Public Policy	American Politics	3	x	x	x
4190	Pol Decision Making & Public Policy	American Politics	3	x	x	x
4191	Internship	American Politics	3	x	x	x
4192	Policy Analysis	American Politics	3	x	x	x
4193	Individual Studies	American Politics	3	x	x	x
4200	Politics of Modern Democracies	Comparative Politics	3	x	x	x
4210	Politics of European Integration	Comparative Politics	3	x	x	x
4212	Dictatorship to Democracy	Comparative Politics	3	x	x	x
4214	Northern European Politics	Comparative Politics	3	x	x	x
4216	East European Politics	Comparative Politics	3	x	x	x
4218	Russian Politics	Comparative Politics	3	x	x	x
4219	European Political Development	Comparative Politics	3	x	x	x
4225H	Dem in Muslim Majority Countries	Comparative Politics	3	x	x	x
4230	Chinese Political System	Comparative Politics	3	x	x	x
4231	China: State & Society	Comparative Politics	3	x	x	x
4232	Contemporary Politics of South Asia	Comparative Politics	3	x	x	x
4235	Japanese Politics	Comparative Politics	3	x	x	x
4236	Southeast Asian Politics	Comparative Politics	3	x	x	x
4240	Latin American Politics	Comparative Politics	3	x	x	x
4241	Special Topics in Latin American Politics	Comparative Politics	3	x	x	x
4242	Incomplete Democracies	Comparative Politics	3	x	x	x

4245H	Democratic Erosion	Comparative Politics	3	x	x	x
4249	Domestic Politics of Intl Conflict	Comparative Politics	3	x	x	x
4250(H)	African Politics	Comparative Politics	3	x	x	x
4262	The New Religious Politics	Comparative Politics	3	x	x	x
4270	The Canadian Political System	Comparative Politics	3	x	x	x
4280	State & Economy	Comparative Politics	3	x	x	x
4282	Politics of Income Inequality	Comparative Politics	3	x	x	x
4285	Comparative Pol of the Welfare State	Comparative Politics	3	x	x	x
4300	Theories of International Relations	International Relations	3	x	x	x
4305	International Theory	International Relations	3	x	x	x
4310	Security Policy	International Relations	3	x	x	x
4315	International Security & Causes of War	International Relations	3	x	x	x
4318	Politics of International Terrorism	International Relations	3	x	x	x
4320	Strategies for War & Peace	International Relations	3	x	x	x
4326	Russian Foreign Policy	International Relations	3	x	x	x
4327	Politics in the Middle East	International Relations	3	x	x	x
4330	Global Governance	International Relations	3	x	x	x
4331	The United Nations System	International Relations	3	x	x	x
4332	Politics of Globalization	International Relations	3	x	x	x
4335	International Environmental Politics	International Relations	3	x	x	x
4380(H)	Pol Analysis of Intl Econ Relations	International Relations	3	x	x	x
4381	Contemp Intl Political Economy	International Relations	3	x	x	x
4385(E)	Quantitative Studies of International Conflict	International Relations	3	x	x	x
4420H	Debating Democracy	Political Theory	3	x	x	x
4450	Politics & Ethics	Political Theory	3	x	x	x
4455	Human Rights	Political Theory	3	x	x	x
4460	American Political Ideas	Political Theory	3	x	x	x
4465	Feminist Political Theory	Political Theory	3	x	x	x
4553	Game Theory for Political Scientists	Political Theory	3	x	x	x
4591	Seminar in Public Policy	American Politics	3	x	x	x
4597.01	International Cooperation & Conflict	International Relations	3	x	x	x
4597.02	Political Problems of Contemp World	Comparative Politics	3	x	x	x
4597.03	Gender & Democracy in Contemp World	Comparative Politics	3	x	x	x
4780	Thesis Research Colloquium	Variable	3	x	x	x

4781	Data Analysis in Political Science I	Variable	3	x	x	x
4782	Data Analysis in Political Science II	Variable	3	x	x	x
4784(E)	Complexity Science and the Study of Politics	Variable	3	x	x	x
4891	Topics in American Politics	American Politics	3	x	x	x
4892	Topics in Comparative Politics	Comparative Politics	3	x	x	x
4893	Topics in International Relations	International Relations	3	x	x	x
4894	Topics in Political Theory	Political Theory	3	x	x	x
4895	Topics in Public Policy	Public Policy	3	x	x	x
4910(H)	Business-Government Relations	American Politics	3	x	x	x
4920(H)	Politics in Film & Television	American Politics	3	x	x	x
4940	Politics of Immigration	Comparative Politics	3	x	x	x
Level D						
4998	Undergraduate Research	Variable		x	x	x
4999(H)	Thesis Research	Variable		x	x	x
5000	Quantum Mind & Social Science	Variable	3	x	x	x
5124	Urban Politics	American Politics		x	x	x
5140	Ethnic Politics in American Cities	American Politics		x	x	x
5411	Ancient & Medieval Political Thought	Political Theory	3	x	x	x
5412	Early Modern Political Thought	Political Theory	3	x	x	x
5413	19th Century Political Thought	Political Theory	3	x	x	x
5414	20th Century Political Thought	Political Theory	3	x	x	x

Curriculum Map: BA World Politics

Learning Goals:

1. Students have a fundamental understanding of the theories, research methods, and substantive issues that guide the study of political institutions and processes around the world at the national, cross-national and international levels.
2. Students have basic knowledge in the areas of foreign policy and security, political institutions and processes, political economy and development, and international theory.
3. Students have advanced knowledge of the scholarly literature in one of these areas.
4. Students have the analytic and critical thinking skills that are needed to rigorously evaluate competing arguments and to appraise value-based claims.

Key to Learning Goal Levels:

F = Foundational

I = Intermediate

A = Advanced

Prerequisite to the Major (1 Course)

Course Number	Course	Credit Hours	Learning Goals			
			1	2	3	4
1165	Intro to Politics	3	F	F		F
1200	Intro to Comparative Politics	3	F	F		F
1300	Global Politics	3	F	F		F

Major Requirements:

Specialization: 4 Courses from Declared Area of Specialization

Breadth: 1 Course from Each of 3 Remaining Areas of Specialization

Course Number	Course	Credit Hours	Learning Goals			
			1	2	3	4
Specialization: Foreign Policy & Security						
2300(H)	American Foreign Policy	3	I	I		I
3310(H)	Defense Policy and National Security	3	I	I	I	I
3596.01	Politics of Crime and Punishment	3	I	I	I	I
4135	American Constitutional Law	3		A	A	A
4249	Domestic Politics of International Conflict	3		A	A	A
4310	Security Policy	3		A	A	A

4315	International Security & Causes of War	3		A	A	A
4318	Politics of International Terrorism	3		A	A	A
4320	Strategies for War & Peace	3		A	A	A
4326	Russian Foreign Policy	3		A	A	A
4330	Global Governance	3		A	A	A
4335	International Environmental Politics	3		A	A	A
4385(E)	Quantitative Studies of International Conflict	3		A	A	A
4597.01	International Cooperation & Conflict	3		A	A	A
4940	Politics of Immigration	3		A	A	A
	Specialization: Political Institutions & Processes					
4110	The American Presidency	3		A	A	A
4200	Politics of Modern Democracies	3		A	A	A
4210	Politics of European Integration	3		A	A	A
4214	Northern European Politics	3		A	A	A
4216	East European Politics	3		A	A	A
4218	Russian Politics	3		A	A	A
4219	European Political Development	3		A	A	A
4225H	Democracy in Muslim Majority Countries	3		A	A	A
4230	Chinese Political System	3		A	A	A
4231	China: State & Society	3		A	A	A
4232	Contemporary Politics of South Asia	3		A	A	A
4235	Japanese Politics	3		A	A	A
4236	Southeast Asian Politics	3		A	A	A
4240	Latin American Politics	3		A	A	A
4242	Incomplete Democracies	3		A	A	A
4262	The New Religious Politics	3		A	A	A
4270	The Canadian Political System	3		A	A	A
4285	The Comparative Politics of the Welfare State	3		A	A	A
4331	The United Nations System	3		A	A	A
	Specialization: Political Economy & Development					
3220	Politics of the Developing World	3	I	I	I	I
3225	Post-conflict Reconstruction	3		A	A	A
3275	Politics of Sports	3		A	A	A
3290	Comparative Public Policy	3		A	A	A

4210	Politics of European Integration	3		A	A	A
4216	East European Politics	3		A	A	A
4219	European Political Development	3		A	A	A
4230	Chinese Political System	3		A	A	A
4231	China: State & Society	3		A	A	A
4232	Contemporary Politics of South Asia	3		A	A	A
4236	Southeast Asian Politics	3		A	A	A
4240	Latin American Politics	3		A	A	A
4241	Special Topics in Latin American Politics	3		A	A	A
4242	Incomplete Democracies	3		A	A	A
4245H	Democratic Erosion	3		A	A	A
4250(H)	African Politics	3		A	A	A
4280	State & Economy	3		A	A	A
4282	Politics of Inequality	3		A	A	A
4285	Comparative Politics of the Welfare State	3		A	A	A
4327	Politics in the Middle East	3		A	A	A
4380(H)	Political Analysis of International Economic Relations	3		A	A	A
4381	Comparative International Political Economy	3		A	A	A
4940	The Politics of Immigration	3		A	A	A
Specialization: International Theory						
3420	Political Theories of Democracy	3	I	I	I	I
3430	Political Theories of Freedom	3	I	I	I	I
3460	Global Justice	3	I	I	I	I
3596.02(H)	Nationalism and Ethnicity	3	I	I	I	I
3910	Identity Politics	3	I	I	I	I
3912	Political Leadership	3	I	I	I	I
4300	Theories of International Relations	3		A	A	A
4305	International Theory	3		A	A	A
4330	Global Governance	3		A	A	A
4450H	Politics & Ethics	3		A	A	A
4455	Human Rights	3		A	A	A
5000	Quantum Mind & Social Science	3		A	A	A

Curriculum Map: BS Political Science

Learning Goals:

1. Students have a fundamental understanding of the theories, research methods, and substantive issues that guide the study of politics.
2. Students have a basic knowledge across three of the four major fields of Political Science: American Politics, Comparative Politics, International Relations, and Political Theory.
3. Students have advanced knowledge of the methods of research design and data analysis as used in the discipline of Political Science.
4. Students develop analytic and critical thinking skills that will enable them to rigorously evaluate competing arguments and to appraise value-based claims.

Key to Learning Goal Levels:

F = Foundational

I = Intermediate

A = Advanced

Prerequisite to the Major (1 Course)

Course Number	Course	Credit Hours	Learning Goals			
			1	2	3	4
1100	Intro to American Politics	3	F		F	F
1200	Intro to Comparative Politics	3	F		F	F
1300	Global Politics	3	F		F	F
1165	Intro to Politics	3	F		F	F
2150	Voters & Elections	3	I		I	I
2300	American Foreign Policy	3	I		I	I
2400	Intro to Political Theory	3	I		I	I

Core (4 Courses)

Course Number	Course	Credit Hours	Learning Goals			
			1	2	3	4
3780	Data Visualization	3			I	I
4781(H)	Data Analysis in Political Science I	3			A	A
4782	Data Analysis in Political Science II	3			A	A
AND one of the following courses:						
3549	Survey Research in Political Science	3			I	I
OR						
4192	Policy Analysis	3			A	A

OR

4553	Game Theory for Political Scientists	3			A	A
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Breadth Requirement (3 Courses): 1 Course from 3 of 4 Subfields

Course Number	Course	Credit Hours	Learning Goals			
			1	2	3	4
American Politics						
2150(H)	Voters & Elections	3				
2194.01	Group Studies	3				
3100	American Politics & Policy Making	3				
3115	Intro to the Policy Process	3				
2367(H)	Contemporary Issues American Politics	3				
3170	Political Psychology	3				
3310(H)	Foreign Policy and National Security	3				
3596.01	Politics of Crime & Punishment	3				
3905	Political Manipulation	3				
3912	Political Leadership	3				
4110	The American Presidency	3		A	A	A
4115	Bureaucracy & Public Policy	3		A	A	A
4120	US Congress	3		A	A	A
4125	American State Politics	3		A	A	A
4126	Ohio Politics	3		A	A	A
4127	Governing Urban America	3		A	A	A
4130	Law & Politics	3		A	A	A
4132H	Supreme Court Decision Making	3		A	A	A
4135	American Constitutional Law	3		A	A	A
4136	Civil Liberties	3		A	A	A
4137	Politics of Legal Decision Making	3		A	A	A
4138	Women & the Law	3		A	A	A
4139(E)	Gun Politics	3		A	A	A
4140	Black Politics	3		A	A	A
4143	Race, Ethnicity and American Politics	3		A	A	A
4145	Asian American Politics	3		A	A	A
4150	American Political Parties	3		A	A	A

4152	Campaign Politics	3		A	A	A
4160	Public Opinion	3		A	A	A
4162	Religion & American Politics	3		A	A	A
4164	Political Participation & Voting Behavior	3		A	A	A
4165	Mass Media & American Politics	3		A	A	A
4170	Gender & Politics	3		A	A	A
4175	Women, Government & Public Policy	3		A	A	A
4190	Political Decision Making & Public Policy	3		A	A	A
4191	Internship	3		A	A	A
4192	Policy Analysis	3		A	A	A
4193	Individual Studies	3		A	A	A
4891(H)	Topics	3		A	A	A
4910(H)	Business-Government Relations	3		A	A	A
5124	Urban Politics	3		A	A	A
5140	Ethnic Politics in American Cities	3		A	A	A
Comparative Politics						
2194.02	Group Studies	3	I		I	I
3220	Politics of the Developing World	3	I	I	I	I
3225	Post-conflict Reconstruction	3		A	A	A
3290	Comparative Public Policy	3		A	A	A
3596.02	Nationalism and Ethnicity	3		I	I	I
4200	Politics of Modern Democracies	3		A	A	A
4210	Politics of European Integration	3		A	A	A
4212	Dictatorship to Democracy	3		A	A	A
4214	Northern European Politics	3		A	A	A
4216	East European Politics	3		A	A	A
4218	Russian Politics	3		A	A	A
4219	European Political Development	3		A	A	A
4225H	Democracy in Muslim Majority Countries	3		A	A	A
4230	Chinese Political System	3		A	A	A
4231	China: State & Society	3		A	A	A
4232	Contemporary Politics of South Asia	3		A	A	A
4235	Japanese Politics	3		A	A	A
4236	Southeast Asian Politics	3		A	A	A

4240	Latin American Politics	3		A	A	A
4241	Special Topics in Latin American Politics	3		A	A	A
4242	Incomplete Democracies	3		A	A	A
4245	Democratic Erosion	3		A	A	A
4249	Domestic Politics of International Conflict	3		A	A	A
4250	African Politics	3		A	A	A
4262	The New Religious Politics	3		A	A	A
4270	The Canadian Political System	3		A	A	A
4280	State & Economy	3		A	A	A
4282	Politics of Inequality	3		A	A	A
4285	Comparative Politics of the Welfare State	3		A	A	A
4597.02/H/E	Political Problems of the Contemporary World	3		A	A	A
4597.03	Gender & Democracy in the Contemporary World	3		A	A	A
4892(H)	Topics	3		A	A	A
4940	Politics of Immigration	3		A	A	A
International Relations						
2194.03	Group Studies	3	I		I	I
2300(H)	American Foreign Policy	3	I		I	I
3310(H)	Defense Policy and National Security	3	I	I	I	I
3910	Identity Politics	3	I	I	I	I
4300	Theories of International Relations	3		A	A	A
4305	International Theory	3		A	A	A
4310	Security Policy	3		A	A	A
4315	International Security & Causes of War	3		A	A	A
4318	Politics of International Terrorism	3		A	A	A
4320	Strategies for War & Peace	3		A	A	A
4326	Russian Foreign Policy	3		A	A	A
4327	Politics in the Middle East	3		A	A	A
4330	Global Governance	3		A	A	A
4331	The United Nations System	3		A	A	A
4332	Politics of Globalization	3		A	A	A
4335	International Environmental Politics	3		A	A	A
4380(H)	Political Analysis of International Economic Relations	3		A	A	A
4381	Contemporary International Political Economy	3		A	A	A

4385(E)	Quantitative Studies of International Conflict	3		A	A	A
4597.01(H)	International Cooperation & Conflict	3		A	A	A
4893(H)	Topics	3		A	A	A
4784(E)	Complexity Science and the Study of Politics	3		A	A	A
Political Theory						
2194.04	Group Studies	3	I		I	I
2400(H)	Intro Political Theory	3	I		I	I
3420	Political Theories of Democracy	3	I	I	I	I
3430	Political Theories of Freedom	3	I	I	I	I
3440	Political Theories of Justice	3	I	I	I	I
3450	Ethics and Public Policy	3	I	I	I	I
3460	Global Justice	3	I	I	I	I
4420H	Debating Democracy	3		A	A	A
4450	Politics & Ethics	3		A	A	A
4455	Human Rights	3		A	A	A
4460	American Political Ideas	3		A	A	A
4465	Feminist Political Theory	3		A	A	A
4894	Topics	3		A	A	A
5000	Quantum Mind & Social Science	3		A	A	A
5411	Justice, Sin & Virtue: Ancient and Medieval Pol Thought	3		A	A	A
5412	Life, Liberty & Property: Early Modern Pol Thought	3		A	A	A
5413	Democracy, Equality & Revolution: Modern Pol Thought	3		A	A	A
5414	Liberalism, Totalitarianism & Empire: Contemp Pol Thought	3		A	A	A