

Research and Undergraduate Teaching: A False Divide?

Introduction

James N. Druckman, *Northwestern University*

The American Political Science Association (APSA) connects scholars from varying fields, perspectives, backgrounds, and educational institutions. A microcosm of this diversity can be found on the APSA Council of which I currently have the privilege of being a member. At a recent council meeting, discussion turned to APSA's Teaching and Learning Conference. The conference serves as a venue in which many political scientists define their professional communities, yet, it regularly operates at a financial loss for APSA. Thus the question is what APSA can/should do to continue the conference without suffering a financial loss. The conversation proceeded with a variety of intriguing suggestions, although a solution was not reached. Through much of the discussion, an unstated reality clearly loomed in people's minds. Eventually one of the council members—who is an acclaimed teacher and scholar—stated what I imagine was on everyone's mind: there is a two-tiered system such that most professors at major research universities have scant incentive to invest in undergraduate teaching, and professors at many colleges have reason to excel in the classroom. The disparity manifests itself in a number of trends including the growth of nontenure track faculty at research universities and the anecdotal, but evident, fact that undergraduate course releases constitute an invaluable commodity that regularly becomes part of negotiations for those at research universities.

THE MERGING OF RESEARCH AND UNDERGRADUATE TEACHING

How to financially reconstitute the Teaching and Learning Conference and how to address the increasing separation between tenure track and nontenure track faculty are perplexing problems, for sure. Related to these issues is an underlying challenge in the social sciences: the common view that teaching and research constitute exclusive activities. The former involves the dissemination of knowledge and the latter the production of knowledge. While it is not difficult to identify a number of professors who excel in both domains, most

ostensibly continue to view teaching and research as separate enterprises. To me, this is a misconstrued perspective.

I say this for two reasons. First, a liberal arts education should do more than provide information/knowledge to students; rather, it is incumbent on instructors to ensure that students acquire the tools needed to address and resolve problems in a variety of domains. For social scientists, this means educating students so that they know how to apply the basic scientific method of asking questions, generating theories and hypotheses, collecting data, and analyzing results.¹ One obvious way to do this is by instituting adequate training in research and/or having students take part in research. Second, I often recall a comment that the speaker (a physical scientist) made at my PhD commencement: he stated that, without compare, the most exhilarating moments in his professional career occur when he arrives at a new insight and, for some time, realizes he may be the only person to possess the knowledge. I believe this sentiment is half true. The other half, which the speaker failed to mention, is that one enjoys equal, if not greater, satisfaction watching a student enjoy that experience—an experience that undoubtedly motivates the student to learn more and recognize the possibilities of practicing social science (as a professor or in another professional domain).

What is the implication? Research and teaching can be viewed as a single enterprise. This can proceed in a variety of ways; examples include:

- ensuring students learn the essential skills needed to conduct different types of research in a way that not only prepares them to proceed with their own research but also motivates them to want to proceed;
- incorporating the class into one's own research; and/or
- working with students as they undertake complete or partial social science efforts at discovery.

The specifics on each of these possible avenues depends on the school, field, method, and professor involved. Thus it is essential to discuss these approaches from a variety of perspectives: this symposium aims to do exactly that.

PERSPECTIVES ON MERGING RESEARCH AND UNDERGRADUATE TEACHING

The goal for each of the symposium's contributions is not to embrace and/or argue for all of the aforementioned

teaching/research tactics, but rather, within a given field and setting, to explain how teaching and research can complement one another with the ultimate possibility of them being treated as a joint endeavor. As will become clear, the authors offer distinct views—for example, some emphasize the need for a methods course prerequisite that prepares and stimulates undergraduates and also can generate methodological self-awareness by the instructor, whereas others suggest that such course requirements are not necessary for the merging of research and undergraduate teaching. Of course, there is no correct approach/answer; what works depends on the situation.

In the symposium's first essay Elman, Kapiszewski, and Kirilova highlight how enrolling in a methods course facilitates meaningful contributions to research projects. The authors offer a detailed proposal of what such a course would look like when it comes to qualitative methods—an important blueprint in itself given the paucity of such courses. Moreover, Elman and colleagues emphasize that such classes should

In their contribution, Herrick, Mathias, and Nielson argue for the mutual benefits of professors teaching their students how to do research and doing it with them (as full coauthors). They explain how such an approach coheres with research on learning in psychology and neuroscience: it makes learning tangible and concrete, it reinforces concepts via deliberate practice, and it motivates through engaged learning and self-direction. Collaborations with undergraduates also generate superior social science by incorporating “outside-the-box” connections (similar to Luxon's argument) and taking advantage of specialization and skill complementarity. The authors offer a host of examples of where faculty and undergraduates collaborated in the design, implementation, analysis, and writing of randomized (largely field) experiments. Their examples provide clear evidence that research and undergraduate teaching can be merged, at least with regard to the types of work they describe, with enormous benefits to all involved.

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involve “learning by doing”; however, the “doing” involves crafted research situations rather than authentic research with a professor. While the authors do not rule out undergraduates jumping right into research, they emphasize, to a greater extent than some of the other contributions, the role of prior method courses. The reality of what can work is likely topic-, student-, and professor-specific, and none of the contributors oppose methods prerequisites per se. Such courses also can benefit the instructors in their own research as it creates a bevy of well-prepared students with the skills and motivation to move into assisting and completing research—thus teaching and research are not distinct but rather best seen in a sequence.

In her article, Luxon offers a slightly different approach, but also in line with the idea that students benefit most by learning key skills prior to and in preparation for conducting research. This learning comes, however, not through methods courses, but rather through a style of instruction where professors “teach what they don't know.” Such teaching flies in the face of ostensible common practice where teachers stick with their expertise and so uncritically replicate bodies of knowledge and the classroom hierarchies that organize them. Instead, Luxon challenges instructors to move into areas where the answers are not so clear. Such pedagogical experimentation not only motivates student inquiry but also, critically, stimulates researchers themselves to “think outside of the box.” Instead of repeating canonical discourse and research, professors should venture into new areas. In so doing, they discover underinvestigated areas, thereby opening up novel avenues of inquiry that generate new research agendas and, ideally, keep research closer to politics and political debates.

The next two articles take a different track by emphasizing how undergraduates can immediately join into research efforts.

Druckman offers an analogous argument that focuses on two ways to bring research and undergraduate teaching together within the field of political behavior. First, he offers examples of how classes can be incorporated into a project as a team; for example, each student in the course conducts a single project (e.g., content analyzing media coverage of an issue) that is then aggregated with the work of other students to arrive at a larger-scale piece of research. This works best with relatively smaller classes; thus, another approach that is more practical with larger classes is for students to work independently in conducting research where they are guided step-by-step. The examples suggest merging research and teaching stimulates engagement, advances research, and, in some cases, leads to collaborative relationships. Druckman also emphasizes precautions when one attempts to merge research and undergraduate teaching: students should be treated as partners, the goals should be explicit and transparent, and coauthorship opportunities need to be considered.

Druckman's second approach of guiding students to undertake complete or partial research aligns with the themes in Huerta's and Berger's articles. Specifically, in his paper, Huerta discusses the challenges and possibilities of working with undergraduates at regional public universities. He points out a number of unique hurdles including the effort of teaching students underprepared for the challenges of college, large teaching loads, and the demands to teach large core courses. On the flip side, Huerta points out the increasing pressure for faculty to publish at regional public universities and thus merging teaching and research is of particular relevance. He then describes his experience teaching a senior seminar (that requires a method course prerequisite) where students complete a research project; he explains how this

also benefits him by generating new ideas for his own research from intense work and discussions with the students. Huerta also discusses the scholarship of teaching and learning that melds research and undergraduate teaching by making the research about student learning and the factors that affect it. Indeed, Huerta has become a central voice in researching teaching approaches through his experiences and subsequent publications.

will be immediately embraced and resolve tensions between research and teaching. One obvious hurdle is time—teaching is time-consuming and launching research projects typically demands even more. The time, however, does not compare with the outcomes. On an institutional level, the ideal would be that universities and colleges embrace the merging of teaching and research by altering how success is measured (e.g., introducing metrics that assess effective teaching based

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Berger's article offers a perspective on how one can structure courses to promote citizen engagement, and by so doing, generate novel research. Berger not only challenges the view that teaching and research are separate endeavors, but he also shows how political science (teaching and research), in general, and civic education can go hand-in-hand. He offers a series of compelling examples where instructors bring their classes into the community (e.g., to work on campaigns, to participate in voter registration drives, to interact with inmates). The experiences stimulate student interest and lead to civic participation. Moreover, Berger explains how the courses benefit the instructors' own research. To cite just one of several examples he offers, Berger's own research on civic engagement has been shaped by the courses he has taught, leading him to isolate exactly what "civic engagement" means (e.g., it is often a nebulous umbrella term) and how it can be implemented. Berger's article illustrates how teaching can create engagement which indirectly brings students into the research process.

Taken together, the six articles reveal how one can improve research and undergraduate teaching as well as help, at least partially, vitiate the distinctions with which I began this introduction: that is, the divides common in many universities and colleges, and within APSA. I am not so naïve to believe this philosophy

partially on what students produce in the class and after the class) and providing resources (e.g., in many instances I employ PhD students to assist with the class research that benefits the PhD students in their own development). In sum, teaching can help research, and research can help teaching—when this lesson is embraced, the potential for new approaches to teaching and the completion of new research projects vastly expand with enormous benefits for all involved.

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NOTE

1. I recognize that some political scientists do not share this perspective, but my focus here is on social science as a positive and not normative endeavor.

SYMPOSIUM CONTRIBUTORS

Ben Berger is associate professor of political science at Swarthmore College. He is the coordinator of faculty outreach and engagement for Swarthmore's Lang Center for Civic and Social Responsibility, and also serves as the Project Pericles Program codirector. His book, *Attention Deficit Democracy: The Paradox of Civic Engagement* won the 2012 Book of the Year Award from the North American Society for Social Philosophy. He can be reached at bberger1@swarthmore.edu.

James N. Druckman is the Payson S. Wild Professor of Political Science and Faculty Fellow at the Institute for Policy Research at Northwestern University. He is a member of the American Academy of Arts and Sciences and received a Guggenheim Fellowship in 2012. Druckman

currently is co-principal investigator of *Time-Sharing Experiments for the Social Sciences (TESS)*. In 2011, Druckman received an award for outstanding Freshman Advising. He can be reached at druckman@northwestern.edu.

Colin Elman is associate professor of political science in the Maxwell School, Syracuse University. His main research foci are international relations and research methodology. Elman has published articles in *International Studies Quarterly*, *Comparative Political Studies*, the *International History Review*, the *American Political Science Review*, *Millennium - Journal of International Studies*, *International Organization*, *International Security*, *Political Analysis*, *Annual Review of Political Science*, and

Security Studies. He is also director of Syracuse University's Center for Qualitative and Multi-Method Inquiry, and codirector of the Qualitative Data Repository. He can be reached at celman@maxwell.syr.edu.

Skye Herrick graduated from Brigham Young University, in 2014, with a BA in international relations and a minor in African studies. He participated in many forms of experimental research as an undergraduate, both domestically and abroad. He hopes to continue his research in conflict resolution, ethnic divides, political psychology, and experimental methodology by pursuing a PhD in political science. He currently works for Google in Mountain View, California. He can be reached at skye.herrick@gmail.com.

Symposium: Research and Undergraduate Teaching

Juan Carlos Huerta is professor of political science and director of the University Core Curriculum Programs at Texas A&M University, Corpus Christi. He has several publications in the *Journal of Political Science Education*, and his research interests are in political representation. Huerta has served as president of the APSA's Organized Section on Political Science Education (2009–2011), as a member of the APSA Council (2012–2014), and as the president of the Southwestern Political Science Association (2014–2015). He can be reached at juan.huerta@tamucc.edu.

Diana Kapiszewski is assistant professor of government at Georgetown University. Her research interests include public law, comparative politics, and research methods. Her geographic focus is Latin America. She has published two books (one co-edited) and various articles on judicial politics in comparative perspective. Kapiszewski co-directs the Qualitative Data Repository (www.qdr.org), co-edits a Cambridge University Press book series focused on methods, has a co-authored book forthcoming on field research, and has published various articles on

research transparency. She can be reached at dk784@georgetown.edu.

Dessislava Kirilova is a fellow at the Moynihan Institute of Global Affairs at Syracuse University and a doctoral candidate at Yale University. She is a scholar of post-communist foreign policy and European politics. As part of her activities at Syracuse University, she is a data management specialist with the Qualitative Data Repository and involved in broader efforts to promulgate rigorous qualitative methods. She teaches International Relations and Comparative Politics courses, including on European integration and international organization. She can be reached at dessislava.kirilova@yale.edu.

Nancy Luxon is an associate professor at the University of Minnesota, Twin Cities. She has recently argued that education serves as a site of political cultivation and authorship in "Risk and Resistance: The Ethical Education of Psychoanalysis" in the journal *Political Theory* and in her book *Crisis of Authority* (Cambridge 2013). She can be reached at luxon@umn.edu.

William Matthias is a project manager at the Political and Economic Development Laboratories at Brigham Young University. He recently received his BA in international relations from Brigham Young University. He has worked extensively with Daniel Nielson in designing a number of field experiments for international development research. He can be reached at bmatthias88@gmail.com.

Daniel Nielson is professor and associate chair of political science at Brigham Young University. He collaborates with undergraduates on studies of international development through field experiments. He is coauthor of *Global Shell Games: Experiments in Transnational Relations, Crime, and Terrorism* (Cambridge 2014) and coeditor of *Delegation and Agency in International Organizations* (Cambridge 2006). His articles have appeared in the *American Journal of Political Science*, *International Organization*, and other journals. He can be reached at daniel_nielson@byu.edu.