SURVEY METHODOLOGY (SURV)

Graduate Degree Program
College: Behavioral and Social Sciences

Abstract
The Survey Methodology Program blends together faculty with diverse disciplinary backgrounds, all devoted to teaching state-of-the-art practices in the statistical and methodological aspects of surveys. The program's faculty come primarily from the University of Maryland, University of Michigan, and Westat, supplemented by instructors from a number of federal statistical agencies.

SURV offers a Master of Science in Survey Methodology and a Ph. D. in Survey Methodology. Both degree programs have three areas of concentration: Statistical Science, Social and Psychological Science and Data Science.

The statistical science area of concentration is designed for students who wish to specialize in areas such as sample design, estimation in complex samples, variance estimation, statistical measurement error models, and statistical adjustments for missing data.

The social science area of concentration is designed for students who wish to specialize in areas such as questionnaire design, design of interviewing systems, computer assistance in data collection, effects of mode of data collection, cognitive psychological insights into survey measurement, and efforts to reduce various nonsampling errors in data collection.

The data science area of concentration is designed for students who wish to specialize in the more computational aspects of survey methodology and research involving "big data," including data visualization, management and analysis of large and messy data sets, human-computer interaction in survey research, and machine learning algorithms.

The three areas of specialization share a set of courses in the core curriculum (https://jpsm.umd.edu/graduate/masters-sample-curricula), including a two term survey practicum, a course in data collection methods, two terms of statistical methods, a two term course in total survey quality, and a survey design seminar.

Financial Assistance
Financial assistance is available in the form of competitive fellowships and graduate assistantships for teaching or research.

Fellowships in Support of Diversity and Inclusion (https://jpsm.umd.edu/graduate/phd-admissions): Financial support option for Ph.D. students only. If you're interested in applying for the Fellowships in Support of Diversity and Inclusion in the Behavioral and Social Sciences (2017-18), please be sure to upload your materials under "4. Supplementary Application Two" when submitting your online admissions application.

Contact
Rupa Jethwa Eapen
Director of Administrative Services
Joint Program in Survey Methodology
1218 LeFrank Hall

7251 Preinkert Drive
College Park, MD 20742
Telephone: 301.314.7911
Fax: 301.314.7912
Email: survgrad@deans.umd.edu
Website: http://www.jpsm.umd.edu

Courses: SURV SURV

Keywords


Admissions
General Requirements
• Statement of Purpose
• Transcript(s)
• TOEFL/IELTS/PTE (international graduate students (https://gradschool.umd.edu/education/z069))

Program-Specific Requirements
• Letters of Recommendation (3)
• Graduate Record Examination (GRE)
• CV/Resume

Applicants to the M.S. program are expected to hold a baccalaureate degree from a regionally accredited institution with a minimum of a 'B' average. Post-baccalaureate coursework and relevant work experience will also be used in the application evaluation. Entry to the statistical science concentration requires three undergraduate courses in calculus, one in linear algebra, and one in statistics. Entry to the social science concentration requires two undergraduate quantitative courses, at least one of which is in statistics, and at least two undergraduate courses in the social sciences. Entry to the data science concentration requires some background in computer science, with a minimum of two semesters of programming coursework, and also at least one semester of statistics.

Applicants to the Ph.D. program are expected to have a graduate degree in some field (such as statistics or psychology) that is related to survey methodology. Applicants must also demonstrate an appropriate background.
For more admissions information or to apply to the program, please visit our Graduate School website: www.gradschool.umd.edu/admissions

## Application Deadlines

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
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<tbody>
<tr>
<td><strong>Domestic Applicants</strong></td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>5 Jan</td>
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<tr>
<td><strong>International Applicants</strong></td>
<td></td>
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<tr>
<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>5 Jan</td>
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</tbody>
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Other Deadlines: Please visit the program website at http://www.jpsm.umd.edu

## Requirements

- Survey Methodology, Doctor of Philosophy (Ph.D.) ([link](https://academiccatalog.umd.edu/graduate/programs/survey-methodology-surv/survey-methodology-phd))
- Survey Methodology, Master of Science (M.S.) ([link](https://academiccatalog.umd.edu/graduate/programs/survey-methodology-surv/survey-methodology-ms))

## Facilities and Special Resources

SURV has the goal of offering training to all qualified students, regardless of the employment sector of interest to them. Several features of the program are designed with the working student in mind. Many class times are tailored to be compatible with the work day; a 12-month curriculum offers core courses throughout the year; and research experience requirements are integrated with work activities.

Courses have been offered at a Federal agency facility located in Washington, D.C. and interactive 2-way audio/video transmission equipment is used to transmit some courses between the College Park campus and the Ann Arbor campus of the University of Michigan, also - between College Park and the Census headquarters in Suitland, MD.

## Faculty

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First/Middle Name</th>
<th>Graduate Faculty Status</th>
<th>Academic Credentials</th>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abraham</td>
<td>Katharine</td>
<td>Full Member</td>
<td>B.S., Iowa State, 1976; Ph.D., Harvard University, 1982.</td>
<td>Professor, Intermediate Survey Methodology Professor, Survey and Data Science (online) Professor, Survey Methodology Professor, Survey Statistics</td>
</tr>
<tr>
<td>Cantor</td>
<td>David</td>
<td>Full Member</td>
<td>A.B., Sociology, University of Illinois at Urbana-Champaign, 1979; Ph.D., Sociology, Concentration in Applied Social Statistics, University of Illinois at Urbana-Champaign, 1985</td>
<td>Research Professor, Survey Methodology Associate Professor, Survey Methodology Research Professor, Survey Methodology Research Professor, Survey Methodology</td>
</tr>
<tr>
<td>Conrad</td>
<td>Frederick G.</td>
<td>Full Member</td>
<td>B.A., Hampshire College, 1978; Ph.D., University of Chicago, 1986</td>
<td>Research Professor, Data Science Research Professor, Survey Methodology Research Professor, Survey Methodology Research Professor, Survey Methodology</td>
</tr>
<tr>
<td>Couper</td>
<td>Mick P.</td>
<td>Full Member</td>
<td>B.Soc.Sc., University of Cape Town, 1978; M.A., University of Michigan, 1989; Ph.D., Rhodes University, 1990.</td>
<td>Research Professor, Data Science Research Professor, Survey Methodology Research Professor, Survey Methodology Research Professor, Survey Methodology</td>
</tr>
</tbody>
</table>

<p>| Brick      | Michael           | Full Member             | B.S. Mathematics, University of Dayton 1973; M.A. Statistics, American University 1976; Ph.D. Statistics, American University 1984 | Research Professor, Survey Methodology |
| Brick      | Michael           | Full Member             | B.S. Mathematics, University of Dayton 1973; M.A. Statistics, American University 1976; Ph.D. Statistics, American University 1984 | Research Professor, Survey Methodology |
| Brick      | Michael           | Full Member             | B.S. Mathematics, University of Dayton 1973; M.A. Statistics, American University 1976; Ph.D. Statistics, American University 1984 | Research Professor, Survey Methodology |</p>
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<tr>
<th>Name</th>
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<th>Membership</th>
<th>Education</th>
<th>Position</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elliott</td>
<td>Michael</td>
<td>Full Member</td>
<td>B.S., Mathematics, University of Chicago 1985; M.S., Biostatistics, University of Michigan 1997; Ph.D., Biostatistics, University of Michigan 1999</td>
<td>Associate Research Professor; Survey and Data Science (online)</td>
<td>University of Florida, 1986.</td>
</tr>
<tr>
<td>Fay</td>
<td>Robert E.</td>
<td>Full Member</td>
<td>Ph.D., Statistics 1974, University of Chicago</td>
<td>Research Professor; Survey Methodology</td>
<td>Survey Methodology Professor, Survey Methodology Professor, Survey Statistics Professor</td>
</tr>
<tr>
<td>Kreuter</td>
<td>Frauke</td>
<td>Full Member</td>
<td>Ph.D., University of Konstanz 2001</td>
<td>Professor, Intermediate Survey Methodology Professor; Survey and Data Science (online) Professor; Survey Methodology</td>
<td>Survey and Data Science (online) Associate Professor, Survey Methodology Associate Professor, Survey Statistics Professor</td>
</tr>
</tbody>
</table>
Montaquila  Jill  Full Member  B.A.  
Mathematics and Economics, Ashland College 1989); M.S. Statistics, Miami University 1991); Ph.D. Statistics, American University 1998)  
Research Assistant Professor; Survey Methodology

Assistant Director, Survey Methodology  Distinguished University Professor; Sociology Distinguished University Professor; Survey and Data Science (online)

Rust  Keith  Full Member  B.A.hons) Mathematical Sciences, Flinders University of South Australia 1976); M.S. Biostatistics, Michigan 1982); Ph.D. Biostatistics, Michigan 1984).  
Research Professor; Survey Methodology

West  Brady  Full Member  Assistant Research Professor; Survey and Data Science (online)  Assistant Research Professor; Survey Methodology