

Sampling Program for Survey Statisticians
SURVMETH 616

Workshop in Sampling Techniques
Summer, 2017

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INSTRUCTORS: *Elmogeira Elawad, Mahmoud ElKasabi, Steve Heeringa, Jim Lepkowski, Raphael Nishimura, Sinan Turkyilmaz* (see workshop schedule below)

CLASS SESSIONS: 8:30 – 11:30 AM Monday-Friday, May 30 to July 28, 2018

The Workshop in Sampling Techniques is a component of the Sampling Program for Survey Statisticians in the Survey Research Center's Summer Institute on Survey Research Techniques. The Workshop can only be taken in conjunction with the sampling methods courses also being taught during the 2017 Summer Institute, *Methods of Survey Sampling* and *Analysis of Complex Sample Survey Data*. Workshop participants must enroll in both of these courses in order to be eligible to enroll in the Workshop.

The Workshop affords students the opportunity to implement methods studied in the companion methods courses, such as segmenting and listing in area sampling, selection of a national sample of households in the U.S., stratification, controlled selection, telephone sampling, national samples for developing countries, sampling with microcomputers, variance estimation techniques, and weighting methods for survey data.

The attached schedule shows the workshop sessions and locations. As a courtesy to our visiting instructors, students are expected arrive for the start of each session on time and come prepared with materials that may have been distributed at previous sessions.

The schedule also shows the times of social events associated with the Workshop. The order and topics may change, but participants will receive updated schedules as they become available.

The Workshop does not have a textbook, examinations, or homework. Final grades are determined on the basis of contributions to and participation in the sessions. In order to receive credit for the course, students are expected to attend each session, do the exercises presented by the instructors, and participate in discussion.

Students completing the Workshop and achieving passing marks in all methods Sampling Program courses will be awarded a Sampling Program for Survey Statisticians Certificate of Completion at the end of the Workshop.

2018**May****June**

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
27	28	29	30 9-10 Welcome breakfast (1070 ISR). 10-11:30 Course Introduction (3207 LSA). [Lepkowski]	31 8:30-11:30 Sampling Distributions (3207 LSA). [Lepkowski] 12:00-1:00 Lunch (1070 ISR)	1 8:30-11:30 Sampling Algorithms (2302 SEB). [Nishimura] 4:00-6:00 Reception (Lepkowski's).	2
3	4 8:30-11:30 Sampling Algorithms (2302 SEB). [Nishimura]	5 8:30-11:30 Sampling Algorithms (2302 SEB). [Nishimura]	6 8:30-11:30 Sampling Algorithms (2302 SEB). [Nishimura]	7 8:30-11:30 Area Sampling (3207 LSA). [Lepkowski]	8 8:30-11:30 Area Sampling (3207 LSA). [Lepkowski] 4:00-6:00 SISRT Reception (6050 ISR).	9
10	11 8:30-11:30 Area Sampling (3207 LSA). [Lepkowski]	12 8:30-11:30 Area Sampling: India (3207 LSA). [Lepkowski]	13 8:30-11:30 Area Sampling: India (3207 LSA). [Lepkowski]	14 8:30-11:30 Area Sampling: India (3207 LSA). [Lepkowski]	15 8:30-11:30 Area Sampling: India (3207 LSA). [Lepkowski]	16 8-5 The Henry Ford Field Trip (Dearborn)
17	18 8:30-11:30 Area Sampling: India (3207 LSA). [Lepkowski & ElKasabi]	19 8:30-11:30 Area Sampling: India (3207 LSA). [Lepkowski & ElKasabi]	20 8:30-11:30 Blindness Survey (3207 LSA). [Lepkowski & ElKasabi]	21 8:30-11:30 Blindness Survey (3207 LSA). [Lepkowski & ElKasabi]	22 8:30-11:30 Blindness Survey (3207 LSA). [Lepkowski & ElKasabi]	23
24	25 8:30-11:30 Multiple Frame Sampling. (2302 SEB). [ElKasabi]	26 8:30-11:30 Multiple Frame Sampling. (2302 SEB). [ElKasabi]	27 8-8:30 Coffee. 8:30-11:30 Youth Drug Use Survey (2302 SEB). [Nishimura]	28 8:30-11:30 Youth Drug Use Survey (2302 SEB). [Nishimura]	29 8:30-11:30 Youth Drug Use Survey (2302 SEB). [Nishimura]	30

July**2018**

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
1	2 8:30-11:30 Business & agricultural survey design (3207 LSA). [Heeringa]	3 8:30-11:30 Business & agricultural survey design (3207 LSA). [Heeringa]	4 (No workshop.) 4:00-7:00 Independence Day picnic (TBD).	5 8:30-11:30 Multiplicity Sampling (2302 SEB). [Nishimura]	6 Sampling in Qatar (3207 LSA). [Elawad]	7
8 11-6 Detroit Tigers Baseball Game (Comerica Park, Detroit)	9 8:30-11:30 Survey sampling & Big data (3207 LSA). [Heeringa]	10 8:30-11:30 Turkey DHS (3207 LSA). [Turkyilmaz]	11 8:30-11:30 Turkey DHS (3207 LSA). [Turkyilmaz]. 2-5 Ice Cream Social (TBD)	12 8:30-11:30 Turkey DHS (3207 LSA). [Turkyilmaz]	13 8:30-11:30 Turkey DHS (3207 LSA). [Turkyilmaz]	14
15	16 8:30-11:30 Survey sampling & Big data (3207 LSA). [Heeringa]	17 8:30-11:30 Weighting techniques (2302 SEB). [Nishimura]	18 8-8:30 Coffee. 8:30-11:30 Weighting techniques (2302 SEB). [Nishimura]	19 8:30-11:30 Weighting techniques (2302 SEB). [Nishimura]	20 8:30-11:30 Weighting techniques (2302 SEB). [Nishimura]	21
22 2-5 Ice Skating (Yost Arena)	23 8:30-11:30 Chilean EPS: longitudinal survey design (3207 LSA). [Heeringa]	24 8:30-11:30 Chilean EPS: longitudinal survey design (3207 LSA). [Heeringa]	25 8:30-11:30 Chilean EPS: longitudinal survey design (3207 LSA). [Heeringa]	26 (No workshop.)	27 11:30-1:00 Certificate Award Ceremony (6050 ISR). [Heeringa]	28