

Transformative Tools to Make Teaching and Learning Better for You and Your Students

Arts ISIT Welcome Back Conference

Moderator:

Stefania Burk, **Associate Dean, Academic**



THE UNIVERSITY OF BRITISH COLUMBIA

Arts Instructional Support & Information Technology
Faculty of Arts



Panelists

Heather Robertson – Lecturer, Department of Anthropology

Antoine Coulombe – Assistant Professor of Teaching and BSW Program Chair,
School of Social Work

Clive Chapple – Associate Professor of Teaching, Vancouver School of Economics

Kathy Greaves – Lecturer, Department of Sociology

Simon Lolliot – Associate Professor of Teaching, Psychology

Formscanner

**Dr. Kathy Greaves, Lecturer,
Family Studies Minor (in Sociology)**



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Introduction

- What is Formscanner?
- Alternatives to Formscanner
 - Scantron
 - Canvas Quiz
- Why Use Formscanner?
 - It's free
 - Many students prefer a paper exam

Find Bubble Sheets

- Visit: <https://isit.arts.ubc.ca/>
- Navigate: Tool Directory > Formscanner
- Choose the form that best fits the number of questions on your exam
 - 50-question form with 5 answer options
 - 100-question form with 5 answer options
 - You can create a custom form as well

A bubble sheet form for a 50-question exam. The form is white with four black circular punch holes at the corners. On the left side, there is a vertical list of question numbers from 1 to 50. To the right of each number are five bubbles labeled A, B, C, D, and E. On the right side of the form, there are three horizontal lines for 'Name', 'Date', and 'Course'. Below these is a grid for marking answers, with a vertical column of bubbles labeled 'NR' and a horizontal row of bubbles labeled '0' through '9'. Below the grid is a signature line and a pledge statement: 'I pledge on my honour that I have not received or given any unauthorized assistance in this exam.'

Download PDF and Print Bubble Sheets



- Download a 50- or 100-question bubble sheet PDF
- Print bubble sheet forms straight from the electronic PDF document on the computer on 8 1/2" x 11" paper
- **Do not make copies** from a printed bubble sheet as these can become incorrectly calibrated
- Print 5-10 extra bubble sheets as there are always a few students who make mistakes

Administer Exams

Review the following guidelines with students before the exam begins

- Use a dark writing tool to thoroughly fill in the form bubbles
- Avoid altering the form (ripping, tearing, etc.)
- Do not write on the form outside of the bubbles and information areas

The image shows a scantron exam form with four black circular punch holes at the corners. The form contains a grid of bubbles for answers, labeled with letters A, B, C, D, E and numbers 1 through 50. To the right of the grid are fields for Name, Date, and Course. Below these is a grid for marking the number of questions answered, labeled 'NR' and numbered 0 through 9. A signature line is located below the 'NR' grid. A red wavy line is drawn vertically down the left side of the form, and another red wavy line is drawn vertically down the right side. A large red scribble is drawn across the bottom right portion of the form, overlapping the signature line and the 'NR' grid. A small text block reads: "I pledge on my honour that I have not received or given any unauthorized assistance in this exam."

Book an Appointment with the Arts Learning Centre

- Scanner is in BUCH C105A
- A wonderful Arts ISIT Educational Technologist will configure and run the Formscanner
 - Create a Template
 - Scan Student Bubble Sheets
 - Save Scan Results



Your Output Will Look Like This

A. View all student responses organized by student ID number

- Numbers highlighted in green correspond to the correct answer
- Numbers in red correspond to the incorrect answer

B. View descriptive statistics

- Numbers highlighted in yellow definitely need your attention

C. View how the answers are distributed for each question

- Finally, you match data this to your Canvas gradebook and upload the scores

STUDENT NUMBER	QUESTIONS	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Image09 E	43852086	5 E	B	D	A	C	E	B	D
Image07 C	46372692	4 C	C	B	A	D	D	C	B
Image08 A	55435802	8 A	E	B	D	C	B	D	A
Image05 C	12447409	3 C	B	E	D	A	B	C	B
Image07 C	53506759	4 C	C	B	A	D	D	C	B
Image07 C	87247939	6 A	B	C	D	C	B	A	B
Image07 C	87602657	8 A	E	B	D	C	B	D	A
Image04 A	38418312	5 A	B	A	D	A	B	A	E
Image15 B	32997226	2 B	C	D	B	D	A	B	C
Image01 A	60675790	8 A	E	B	D	C	B	D	A
Image12 A	11750733	4 A	B	C	D	E	D	C	B
Image02 A	14419676	6 A	A	B	B	C	C	D	D
Image13 A	94021999	4 A	A	B	B	C	C	D	D
Image10 C	57118266	8 C	A	D	D	E	D	C	B
Image11 E	67368462	1 E	D	C	B	A	B	C	D
Question Rating		0.53	0.2	0.2	0.53	0.47	0.47	0.33	0.2
No. of Students	15								
Lower Quartile	4								
Median	5								
Upper Quartile	6								
Avg. top 6	7.33	0.83	0.33	0.17	0.83	0.83	0.67	0.67	0.5
Avg. bottom 7	3.14	0.29	0.14	0.14	0.29	0.14	0.29	0.14	0
Discrimination		0.54	0.19	0.03	0.54	0.69	0.38	0.53	0.5
Answer Distribution:									
A		8	3	1	3	3	1	2	3
B		1	5	7	4	0	7	2	6
C		4	3	3	0	7	2	6	1
D		0	1	3	8	3	4	8	4
E		2	3	1	0	2	1	0	1
Other		0	0	0	0	0	0	0	0



Thank you



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