

# MA 261

## Final

Mon., Dec. 14, 2015

3:30 p.m. – 5:30 p.m.

ALL INSTRUCTORS

HALL OF MUSIC

**MATH 26100**  
**FINAL**

**Elliott Hall of Music**  
**Purdue University**  
**Main Floor**  
No seating Rows K, L, M, N - All Sections  
No seating Rows G, H, J, K, L, M, N - Center Sections  
3561/1700 Stations

**MON., DEC. 14, 2015**  
**3:30 P.M. - 5:30 P.M.**

[illegible]

**Elliott Hall of Music  
Purdue University  
First Balcony  
No Seating Rows H, J  
1622/743 Stations**

|   |     |     |     |     |     |     |     |     |     |     |     |                     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |   |   |   |   |   |   |   |   |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |  |  |  |  |  |  |  |  |  |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|---|---|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|--|--|--|--|--|--|--|--|--|
| A | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | A   | 121                 | 119 | 117 | 115 | 113 | 111 | 109 | 107 | 105 | 103 | 101 | A   | 10 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | A   | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | A   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | A |  |  |  |  |  |  |  |  |  |
| B | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | B                   | 121 | 119 | 117 | 115 | 113 | 111 | 109 | 107 | 105 | 103 | 101 | B  | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | B   | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | B   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | B |  |  |  |  |  |  |  |  |  |
| C | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 |     | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | C   | 10 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | C   | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | C   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | C |  |  |  |  |  |  |  |  |  |
| D | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | D   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | D | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | D   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | D   |   |  |  |  |  |  |  |  |  |  |
| E | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | E   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | E | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | E   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | E   |   |  |  |  |  |  |  |  |  |  |
| F | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | F   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | F | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | F   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | F   |   |  |  |  |  |  |  |  |  |  |
| G | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | G   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | G | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | G   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | G   |   |  |  |  |  |  |  |  |  |  |
| H | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | H   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | H | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | H   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | H   |   |  |  |  |  |  |  |  |  |  |
| I | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | I   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | I | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | I   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | I   |   |  |  |  |  |  |  |  |  |  |
| J | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | J   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | J | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | J   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | J   |   |  |  |  |  |  |  |  |  |  |
| K | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | K   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | K | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | K   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | K   |   |  |  |  |  |  |  |  |  |  |
| L | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | L   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | L | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | L   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | L   |   |  |  |  |  |  |  |  |  |  |
| M | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | M   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | M | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | M   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | M   |   |  |  |  |  |  |  |  |  |  |
| N | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | N   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | N | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | N   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | N   |   |  |  |  |  |  |  |  |  |  |
| O | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | O   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | O | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | O   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | O   |   |  |  |  |  |  |  |  |  |  |
| P | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | P   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | P | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | P   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | P   |   |  |  |  |  |  |  |  |  |  |
| Q | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | Q   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | Q | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | Q   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | Q   |   |  |  |  |  |  |  |  |  |  |
| R | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | R   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | R | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | R   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | R   |   |  |  |  |  |  |  |  |  |  |
| S | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | S   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | S | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | S   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | S   |   |  |  |  |  |  |  |  |  |  |
| T | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | T   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | T | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | T   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | T   |   |  |  |  |  |  |  |  |  |  |
| U | 221 | 219 | 217 | 215 | 213 | 211 | 209 | 207 | 205 | 203 | 201 | WARREN KATZ 116/140 |     |     |     |     |     |     |     |     |     |     | U   | 12 | 11 | 10 | 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | U | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 216 | 218 | 220 | 222 | 224 | 226 | U   | 302 | 304 | 306 | 308 | 310 | 312 | 314 | 316 | 318 | 320 | U   |   |  |  |  |  |  |  |  |  |  |
| 2 |     |     |     |     |     |     |     |     |     |     |     | 3                   |     |     |     |     |     |     |     |     |     |     |     | 4  |    |    |    |   |   |   |   |   |   |   |   | 5 |     |     |     |     |     |     |     |     |     |     |     | 6   |     |     |     |     |     |     |     |     |     |     |     | 7   |     |   |  |  |  |  |  |  |  |  |  |