UNC
COLLEGE OF
ARTS & SCIENCES

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Department of Statistics & Operations Research
Hanes Hall, Campus Box 3260
Chapel Hill, NC 27599, USA

October 13, 2014

James Thompson
Associate Dean for Undergraduate Curricula
3018 Steele Building
Campus Box 3504
Chapel Hill, NC 27599-3504

Dear James Thompson,

We are writing to request several changes in the requirements for the Major and Minor in Mathematical Decision Sciences (MDS), offered through the Department of Statistics and Operations Research (STOR).

The first requested change concerns the course STOR 215 in the Additional Requirements for the Major. We would like to ask that STOR 215 may be substituted with MATH 381. The two courses overlap greatly. We have already been substituting STOR 215 with MATH 381 for many MDS students, by submitting individual course adjustment forms to their Tar Heel Trackers. Having MATH 381 substituting STOR 215 in the requirements would make this substitution automatic.

The second requested change concerns the course STOR 215 in the requirements for the MDS Minor. As in the first request above, we would like to ask that STOR 215 may be substituted with MATH 381 in the requirements of the MDS Minor as well.

The third set of requested changes concerns the course STOR 456 in the Core Requirements for the MDS Major. We would like to ask to:
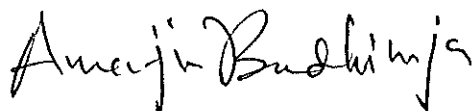- Move 456 from the required to Group A courses;
- Require taking five (instead of the previous four) courses from Group A and Group B, including at least three (instead of the previous two) courses from Group A;
- Add STOR 435 as a prerequisite for STOR 456 (in addition to the current prerequisite STOR 455);
- Renumber STOR 456 to STOR 556.

With this request, we hope to balance better the required courses for the MDS majors, provide the MDS majors with more flexibility in choosing advanced STOR courses
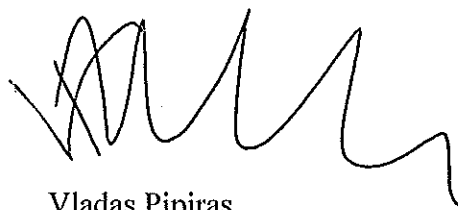
according to their interests, and also ensure that the MDS students taking the course have the foundations provided by STOR 435.

The requested changes are highlighted in the attached text about Majoring and Minoring in Mathematical Decision Sciences, as the text now appears in the Undergraduate Bulletin. Do not hesitate to contact us at budhiraj@email.unc.edu or pipiras@email.unc.edu if you have any questions or need additional information. Thank you for your attention to this matter.

Sincerely,

Amarjit Budhiraja
Chair, Dept. of Statistics & Operations Research

Vladas Pipiras
Director of Undergraduate Studies

Revised Academic Concentration: Undergraduate Bulletin Text

Majoring in Mathematical Decision Sciences: Bachelor of Science

Core Requirements

• MATH 547

• STOR 415, 435, 445, and 455~~, and 456~~

• ~~Four~~ Five courses from Group A and Group B, including at least ~~two~~ three courses from Group A

◦ Group A: STOR 305, 465, 471, 472, 515, 555, 556, 565

◦ Group B: BIOL 526; BIOS 664; BUSI 408; COMP 401, 410; MATH 383, 521, 522, 523, 524, 548, 566; STOR 582

Additional Requirements

• COMP 116 (110 may be substituted)

• MATH 231, 232, 233

• STOR 155 and 215 (MATH 381 may be substituted)

Minoring in Mathematical Decision Sciences

Students wishing to minor in the mathematical decision sciences are required to take STOR 155 and 215 (MATH 381 may be substituted) as well as three courses from among STOR 305, 415, 435, 445, 455, ~~456,~~ 465, 471, 472, 515, 555, 556, and 565.