

Dynamic Schedule: Visit [Minerva Class Schedule](#)https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched for course dates & times.McGill.ca (<https://www.mcgill.ca>) / Overview (/study/2022-2023/) / All Courses (/study/2022-2023/courses/search)

MATH 524 Nonparametric Statistics (4 credits)

Offered by: Mathematics and Statistics ([Faculty of Science \(/study/2022-2023/faculties/science/\)](#))

Overview

Mathematics & Statistics (Sci) : Distribution free procedures for 2-sample problem: Wilcoxon rank sum, Siegel-Tukey, Smirnov tests. Shift model: power and estimation. Single sample procedures: Sign, Wilcoxon signed rank tests. Nonparametric ANOVA: Kruskal-Wallis, Friedman tests. Association: Spearman's rank correlation, Kendall's tau. Goodness of fit: Pearson's chi-square, likelihood ratio, Kolmogorov-Smirnov tests. Statistical software packages used.

Terms: Fall 2022

Instructors: Neslehova, Johanna (Fall)

- Fall
- Prerequisite: [MATH 324 \(/study/2022-2023/courses/math-324\)](#) or equivalent
- Restriction: Not open to students who have taken [MATH 424 \(/study/2022-2023/courses/math-424\)](#).

This course may be used as a required or complementary course in the following programs:

[Bachelor of Arts \(B.A.\) - Major Concentration Mathematics \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-mathematics\)](#)

[Bachelor of Arts \(B.A.\) - Major Concentration Mathematics \(/https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-mathematics\)](#)

[Bachelor of Arts \(B.A.\) - Major Concentration Statistics \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics\)](#)

[Bachelor of Arts \(B.A.\) - Major Concentration Statistics \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics\)](#)

22-
2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics)

Bachelor of Arts (B.A.) - Minor
Concentration Statistics
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics)

22-
2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-statistics)

Bachelor of Arts (B.A.) - Minor
Concentration Statistics
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-minor-concentration-statistics)

22-
2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-minor-concentration-statistics)

Bachelor of Arts (B.A.) -
Supplementary Minor
Concentration in Mathematics
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics)

22-
2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics)

Bachelor of Arts (B.A.) -
Supplementary Minor
Concentration Statistics
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics)

22-
2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics)

Bachelor of Arts (B.A.) -
Supplementary Minor
Concentration Statistics
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics)

22-
2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics)

Bachelor of Education (B.Ed.)
- Secondary Mathematics
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics)

22-
2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics)

Bachelor of Science (B.Sc.) -
Honours Biology - Quantitative
Biology
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-education-bed-secondary-mathematics)

22-
2023/faculties/science/undergraduate/programs/bachelor-

science-bsc-honours-biology-quantitative-biology).

Bachelor of Science (B.Sc.) - Honours Probability and Statistics
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics>)

Bachelor of Science (B.Sc.) - Honours Probability and Statistics
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics>)

Bachelor of Science (B.Sc.) - Honours Statistics and Computer Science
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science>)

Bachelor of Science (B.Sc.) - Liberal Program - Core Science Component Mathematics
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-mathematics>)

Bachelor of Science (B.Sc.) - Liberal Program - Core Science Component Statistics
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-statistics>)

Bachelor of Science (B.Sc.) - Major Biology - Quantitative Biology.
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-biology-quantitative-biology>)

Bachelor of Science (B.Sc.) - Major Biology and Mathematics

[22-](https://www.mcgill.ca/study/2022-22-)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-biology-and-mathematics](https://www.mcgill.ca/study/2022-22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-biology-and-mathematics))

[Bachelor of Science \(B.Sc.\) - Major Statistics](#)

[22-](https://www.mcgill.ca/study/2022-22-)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics](https://www.mcgill.ca/study/2022-22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics))

[Bachelor of Science \(B.Sc.\) - Major Statistics and Computer Science](#)

[22-](https://www.mcgill.ca/study/2022-22-)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics-and-computer-science](https://www.mcgill.ca/study/2022-22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics-and-computer-science))

[Bachelor of Science \(B.Sc.\) - Minor Statistics](#)

[22-](https://www.mcgill.ca/study/2022-22-)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-statistics](https://www.mcgill.ca/study/2022-22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-statistics))



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Class Schedule

https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched

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