

Week	Lecture and practical	Week	Lecture and practical
<b>1.</b> IX. 6	Separable and first order linear differential equations	<b>8.</b> X. 25	Conditional probability, product rule, law of total probability, Bayes' theorem, independence.
<b>2.</b> IX. 13	Separable and first order linear differential equations	<b>9.</b> X. 1	<b>ALL SAINTS' DAY</b>
<b>3.</b> IX. 20	Exact and autonomous differential equations and stability	<b>10.</b> XI. 8	Random variables. Cumulative distribution function. Familiar discrete random variables The probability mass function. The expectation and variance of the discrete random variable.
<b>4.</b> IX. 27	Second order differential equations. The <u>undetermined coefficients method</u>	<b>11.</b> XI. 15	Continuous random variables. The probability density function. Expectation in the continuous case. The uniform and the exponential distribution.
<b>5.</b> X. 4	The constant variation method Differential equations with missing variables	<b>12.</b> XI. 22	<b>FINAL TEST</b>
<b>6.</b> X. 11	<b>MIDTERM TEST</b>	<b>13.</b> XI. 29	Markov and Chebyshev inequalities . The weak law of large numbers The normal distribution and the central limit theorem.
<b>7.</b> X. 18	The probability model and its direct consequences. The classic probability field.	<b>14.</b> XII. 6	Simultaneous differential equations