

The full and formal wording of regulations about general matters may be obtained from the University of Canterbury Policy Library (www.canterbury.ac.nz/ucpolicy). Students and staff should check the website regularly for updates.

A **1.1** **1.1.1** **1.1.1.1** **1.1.1.1.1**

- **1.1.1.1.1.1**
- 1. **1.1.1.1.1.1.1**
 - **1.1.1.1.1.1.1.1**
 - **1.1.1.1.1.1.1.2**
 - **1.1.1.1.1.1.1.3**
- 2.



- () $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
- () $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
- () $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
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- 1. () $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
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- 2. $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
- 3. $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
- 4. $\int_0^1 \sin x \cos x dx = \frac{1}{2} \int_0^1 \sin 2x dx = \frac{1}{2} \left[-\frac{1}{2} \cos 2x \right]_0^1 = -\frac{1}{4} (\cos 2 - 1) = \frac{1 - \cos 2}{4}$
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