

# Algebra 2B, 2015–2016.

Lectures Wednesdays 09.15 (EB1.1), Thursdays 15:15 (EB1.1) and Fridays 14.15 (EB1.1).  
Green denotes a problem session (EB1.1); red denotes a university holiday.

WEDNESDAY	THURSDAY	FRIDAY
<div>FEB 3RD</div> <div>§1 <b>Rings</b></div> <div>1</div>	<div>FEB 4TH</div> <div>Examples of rings</div> <div>2</div>	<div>FEB 5TH</div> <div>Subrings</div> <div>3</div>
<div>FEB 10TH</div> <div>Quotient rings</div> <div>4</div>	<div>FEB 11TH</div> <div>Ideals</div> <div>5</div>	<div>FEB 12TH</div>
<div>FEB 17TH</div> <div>§2 <b>Ring homomorphisms</b></div> <div>6</div>	<div>FEB 18TH</div> <div>Fundamental isomorphism thm</div> <div>7</div>	<div>FEB 19TH</div> <div>Characteristic of rings with 1</div> <div>8</div>
<div>FEB 24TH</div> <div>Chinese Remainder Thm</div> <div>9</div>	<div>FEB 25TH</div> <div>Field of fractions</div> <div>10</div>	<div>FEB 26TH</div>
<div>MAR 2ND</div> <div>§3 <b>Valuations and PIDs</b></div> <div>11</div>	<div>MAR 3RD</div> <div>Primes and irreducibles</div> <div>12</div>	<div>MAR 4TH</div> <div>Unique factorisation domains</div> <div>13</div>
<div>MAR 9TH</div> <div>Polynomial rings</div> <div>14</div>	<div>MAR 10TH</div> <div>Factoring in polynomial rings</div> <div>15</div>	<div>MAR 11TH</div>
<div>MAR 16TH</div> <div>§4 <b>Algebras</b></div> <div>16</div>	<div>MAR 17TH</div> <div>Field extensions</div> <div>17</div>	<div>MAR 18TH</div> <div>Quaternions</div> <div>18</div>
<div>MAR 23RD</div>	<div>MAR 24TH</div>	<div>MAR 25TH</div>
<div>MAR 30TH</div>	<div>MAR 31ST</div>	<div>APR 1ST</div>
<div>APR 6TH</div> <div>Lagrange's four squares</div> <div>19</div>	<div>APR 7TH</div> <div>§5 <b>The minimal polynomial</b></div> <div>20</div>	<div>APR 8TH</div>
<div>APR 13TH</div> <div>Cayley–Hamilton Theorem</div> <div>21</div>	<div>APR 14TH</div> <div>Invariant subspaces</div> <div>22</div>	<div>APR 15TH</div> <div>Linear operators over <math>\mathbb{C}</math></div> <div>23</div>
<div>APR 20TH</div> <div>Jordan normal form</div> <div>24</div>	<div>APR 21ST</div> <div>Jordan normal form (ctd)</div> <div>25</div>	<div>APR 22ND</div>