

Université Abou Bekr Belkaid – Tlemcen –

Faculté: des Sciences de la Nature et de la Vie et Sciences de la Terre et de l'Univers

Département: Sciences de la Nature et de la vie

Année Universitaire: 2019 / 2020

2^{ème} année – Domaine: SCIENCES DE LA NATURE ET DE VIE – Filière: SCIENCES ALIMENTAIRE*** – Spécialité: // SA // SA // SA – 4^{ème} Semestre

Section N° 1 **Upe N°** 1

PV de la matière : SAL4 : IMMUNOLOGIE APLIQUEE. de l'unité: U.METHODOLOGIQUE1

Crédit: 4,00 **Coefficient** 2 **Matière non requise**

Date : 10/12/2020

N°	Nom et prénoms	Matricule	Etat	Exam	TD	TP	Conf	Sem	Proj	Stage	Autre	Rattr	Moy	Cred	Sess
1	ABDELLI RANIA	181837016512	N	7.17	11.17								8.77		S1
2	ABDELMELEK NESRINE	181837021115	N										0.00		S1
3	ABDERRAHIM SAMIA	14060040147	N										0.00		S1
4	ABDERRAHMEN NASSIMA	181837020735	N	12.67	16.67								14.27	4	S1
5	ABDOULI OUALID	181837018075	N	10.67	14.67								12.27	4	S1
6	ABIDLI INAS	181837020685	N	8.83	12.83								10.43	4	S1
7	ACHOUR ZOUBIDA	171737014602	N	4.5	8.5								6.10		S1
8	ADDAD MALIKA	181837010975	N	9	13								10.60	4	S1
9	ADDAD RAWIDA	181837012290	N	10.5	14.5								12.10	4	S1
10	ADDOU SIHAM	1737019582	N										0.00		S1
11	AISSA MADAOUI AMINA MANEL	181837010421	N	15.17	19.17								16.77	4	S1

12	AISSI YOUSOUF	181837018668	N	4.67	8.67						9.75	9.32		S2
13	ALLAL MUSTAPHA	181837010965	N	6.33	10.33						7	8.33		S2
14	ALLILI IMENE	1737012884	N	14.67	10.67							13.07	4	S1
15	AMMOUR ABDERRAHMANE	181837021289	N	9.5	13.5							11.10	4	S1
16	AYAD AHMED	7035228	D									0.00		S1
17	AZZA MENEL	130618998192	N	8	12							9.60		S1
18	BABA AHMED HIDAYET INSAF	161637012347	N									0.00		S1
19	BAGHLI FATIMA ZOHRA	181837017104	N	5.67	9.67						8.25	8.82		S2
20	BANDA NAOMI	17178ZMB0415	N	8.33	12.33						13	12.73	4	S2
21	BARKA SANAA	181837013894	N	7	11							8.60		S1
22	BASSOU HASSIBA	181837014539	N	12.67	16.67							14.27	4	S1
23	BEDAD ITAB	161637017293	N	12.67	16.67							14.27	4	S1
24	BEDJAOUI ABDERRAHMENE	1637011944	N	7.67	11.67							9.27		S1
25	BEDREDDINE FATIMA BATOUL	181837068101	N	12	16							13.60	4	S1
26	BEKKADDOUR IKRAM	1737013756	N	7.67	11.67							9.27		S1
27	BEKKHOUCHA LINDA	37064022	N	3	7							4.60		S1
28	BELABBACI SAWSEN	1737023103	N	5.83	9.83							7.43		S1
29	BELACHOU AHMED	37013059	N	2	6							3.60		S1
30	BELAID ASMA	181837026276	N	8.67	12.67							10.27	4	S1
31	BELAKHDAR MERIEM	181837017157	N	12.67	16.67							14.27	4	S1
32	BELBACHIR IKHLAS	181837020680	N	11.33	15.33							12.93	4	S1
33	BELBACHIR MOHAMMED NADJME	13061899821	N	3.67	7.67						8	7.87		S2
34	BELHADJ AYA	181837010382	N	8	12							9.60		S1
35	BELHADJ SELMA	181837010650	N	4.17	8.17						9.25	8.82		S2
36	BELHADJ KACEM DOUNYAZED	181837010568	N	14.67	18.67							16.27	4	S1
37	BELKHATIR SARRA	181837017040	N	9	13							10.60	4	S1

38	BEN MAHAMMED MOHAMMED ILY	1737072693	N	9.17	13.17								10.77	4	S1
39	BENABADJI SARRA HIND	181837010637	N	15.67	19.67								17.27	4	S1
40	BENABDELKRIM NISRIN	37014886	N	10.67	14.67								12.27	4	S1
41	BENAMAR AMINA	181837019183	N	8.67	12.67								10.27	4	S1
42	BENAMAR SARRA LATIFA	1737011376	N	11	15								12.60	4	S1
43	BENAMARA DALAL	181837017026	N	10	14								11.60	4	S1
44	BENAMMAR ZOULIKHA- WISSAM	181837010619	N	10	14								11.60	4	S1
45	BENBEKHTI OUAFA	181837021757	N	6	10								7.60		S1
46	BENCHAIB MOHAMMED-BACHIR	181837010879	N	7.67	11.67						9.25		10.22	4	S2
47	BENCHIKH NOUR EL HOUDA	1737072712	N	10.67	14.67								12.27	4	S1
48	BENDAHDANE KHOULOUD	181837017023	N	11.67	15.67								13.27	4	S1
49	BENDELHOUM WAFAA	181837011070	N	12.17	16.17								13.77	4	S1
50	BENDI SARI KAWTHER SOUMICHA	181837010841	N	12.67	16.67								14.27	4	S1
51	BENEDRA SABAH	181837017071	N	10	14								11.60	4	S1
52	BENGRINE WALID	181837016624	N	10.67	14.67								12.27	4	S1
53	BENHABIB NIZEL BATOUL	181837011010	N	10.67	6.67								9.07		S1
54	BENHAMIDAT WISSEM	181837011066	N	6	10								7.60		S1
55	BENICHOU KHADIDJA	181837016502	N	10.67	14.67								12.27	4	S1
56	BENKABA MAYSSA	181837027735	N	11.67	15.67								13.27	4	S1
57	BENKADA HOURIA DJAZIA	1737012952	N	10.17	14.17								11.77	4	S1
58	BENKADA SMAIL	181837013892	N	10.17	14.17								11.77	4	S1
59	BENKEBIL AMINA	181837010419	N	7	11						10.5		10.70	4	S2
60	BENMANSOUR NIHEL RANIA	181837011032	N	10	14								11.60	4	S1
61	BENMANSOUR WISSEM	181837013236	N	11.5	15.5								13.10	4	S1
62	BENMANSOUR YUCEF	13061899855	N	5.5	9.5								7.10		S1
63	BENNACEUR AHLEM	37017909	N	11.17	15.17								12.77	4	S1

64	BENRAHOU GHIZLENE FADILA	181837018571	N	9.5	13.5								11.10	4	S1
65	BENSALEM NEDJWA	181837018638	N	10	14								11.60	4	S1
66	BENSMAIN RANIA-ASMA	181837012283	N	13.33	17.33								14.93	4	S1
67	BENZAGHOU MEHDI	13061899883	N	10.5	14.5								12.10	4	S1
68	BENZERHOUNI NASSIMA	181837014124	N	7.83	11.83						10.25		10.88	4	S2
69	BERRAHOU WISSEM	181837012602	N	13.67	17.67								15.27	4	S1
70	BERRICHI TAHA SOUFYANE	181837010718	N	8	12						9.5		10.50	4	S2
71	BESSAID NIHEL NADJET	1737014905	N	4	8								5.60		S1
72	BESSEDIK MERIEM	181837010950	N	8.67	12.67								10.27	4	S1
73	BOUABDALLAH DJIHANE	181837010524	N	8.67	12.67								10.27	4	S1
74	BOUABDALLAH EL HADI	181837012204	N	11	15								12.60	4	S1
75	BOUABDALLAH NIHEL	181837014129	N	10.33	14.33								11.93	4	S1
76	BOUACHA AYMEN	181837012169	N	9.5	13.5								11.10	4	S1
77	BOUAYAD AGHA IMANE	1637011641	D										0.00		S1
78	BOUBACAR ISSILO Almoctar	18188NER4161	N	17.67	20								18.60	4	S1
79	BOUBEKEUR ABDELLATIF	1737028534	N	9.33	13.33								10.93	4	S1
80	BOUCHENAFI LAMIA	181837010843	N	4.67	8.67						9.25		9.02		S2
81	BOUDALIA NESRINE	181837011016	N	13.17	17.17								14.77	4	S1
82	BOUDELAL RIHAB NOUR	181837015708	N	8.5	12.5								10.10	4	S1
83	BOUDGHENE STAMBOULI GHIZLE	181837010794	N	6.5	10.5								8.10		S1
84	BOUDJEMA DJIHANE	181837021268	N	9.67	13.67								11.27	4	S1
85	BOUDKHIRA HANANE	1737015453	N	10.5	14.5								12.10	4	S1
86	BOUDOUAIA MEHDI	181837020391	N	10	14								11.60	4	S1
87	BOUGHRIET CHAIMA	1737021035	N	10.67	14.67								12.27	4	S1
88	BOUHADI ALAA EDDINE	37070832	N										0.00		S1
89	BOUHADI NABILA	181837015186	N	9.83	13.83								11.43	4	S1

90	BOUHAFS NADJET	1737016229	N	14.17	18.17								15.77	4	S1
91	BOUHAFS WISSEM	181837012603	N	6.5	10.5								8.10		S1
92	BOUKHIAR HIND	181837014159	N	7	11						9.75		10.25	4	S2
93	BOUKLI HACENE FERYEL	181837010832	N	11.67	15.67								13.27	4	S1
94	BOUKLI HACENE NIHEL KARIMA	181837014136	N	11.67	15.67								13.27	4	S1
95	BOULAHIA NADJET	181837016089	N	11.67	15.67								13.27	4	S1
96	BOULENOUAR HADJA	37072237	N	6	10						11		10.60	4	S2
97	BOUMEDIENE ZAKIA	181837010612	N	14.67	18.67								16.27	4	S1
98	BOUROUIS KHAOULA	181837016052	N	7.5	11.5								9.10		S1
99	BOUYAKOUB ZINEB	181837010624	N	15.67	19.67								17.27	4	S1
100	BOUZOUINE HEYEM	181837021122	N	2	6						8		7.20		S2
101	BRAHIMI NOR EL HOUDA	181837012574	N	7	11								8.60		S1
102	BRIKCI NIGASSA NOUHAD	181837011043	N	15	19								16.60	4	S1
103	BRIKCI-NIGASSA ABDELLATIF	181837010757	N	12.67	16.67								14.27	4	S1
104	CHABANE-SARI MOHAMMED-EL-	37014436	N	10.67	14.67								12.27	4	S1
105	CHAIB DJAMILA	181837005643	N	7.67	11.67						8.5		9.77		S2
106	CHAIBDRA-TANI ASMA	181837013746	N	7	11								8.60		S1
107	CHAIF BOUCHRA	180508-V-15	T										0.00		S1
108	CHEKAF KHADIDJA	13061899921	N	11	15								12.60	4	S1
109	CHIKH BLED HANANE	7010816	N										0.00		S1
110	DAHMANI BELKIS	181837019890	N	14	18								15.60	4	S1
111	DAHOU MOHAMMED ZAKARIA	181837015834	N	6.67	10.67						9		9.67		S2
112	DEKHILI ABIR ZINEB	181837019343	N	15.67	19.67								17.27	4	S1
113	DEKKAR SOUHILA	181837012345	N	7.17	11.17								8.77		S1
114	DERFOUF SANAA	181837014566	N	5	9								6.60		S1
115	DIB SAFAA	181837016540	N	11.83	15.83								13.43	4	S1

116	DIB 26 MOHAMMED EL AMINE	181837010867	N	16.67	20								18.00	4	S1
117	DJEBBOUR MOHAMMED ANES	1737016975	N	11.67	15.67								13.27	4	S1
118	DJENNANE AMINA	181837021587	N	8.33	12.33								9.93		S1
119	DJEROUDI RAFIQ	1737020993	N	10.83	14.83								12.43	4	S1
120	DRARI ZINEB	181837019289	N	13	17								14.60	4	S1
121	DRICI YOUNES	1737072728	N	8.5	12.5								10.10	4	S1
122	DZOUZI ASMA	181837021008	N	5.67	9.67						10.75		10.32	4	S2
123	DZOUZI MERIEM	181837018034	N	10.5	14.5								12.10	4	S1
124	EL HASSAR AHMED	1637013571	N	7.17	11.17								8.77		S1
125	ELGHAZI ASMA	1637015427	N	4.5	8.5								6.10		S1
126	EL-YEBDRI WISSEM	181837011067	N	11.67	15.67								13.27	4	S1
127	FALIA NOR IMENE	1637015992	N	7.67	11.67								9.27		S1
128	FERH CHAIMAA	181837012377	N	8.5	12.5								10.10	4	S1
129	FERH HICHAM	37013275	N	10	14								11.60	4	S1
130	FRID IMANE	181837012216	N	14.5	18.5								16.10	4	S1
131	FRID MOUAD	37014729	N										0.00		S1
132	GAOUAR CHARAF	1737011424	N	10	14								11.60	4	S1
133	GHARBI ASMA	1737016030	N	12	16								13.60	4	S1
134	GHELLAI MOHAMMED REDA	37022171	N	8.17	12.17						7.5		9.77		S1
135	GHEMBAZA HANAA RABIAA	181837013234	N	6.67	10.67								8.27		S1
136	GHERBI MANAL	181837019974	N	4.67	8.67						6.5		7.37		S2
137	GHERMAOUI ZAKARIA	1737014592	N	4	8								5.60		S1
138	GUAIRAA HANANE	1737012949	D	11.67	15.67								13.27	4	S1
139	GUEDDOUCHE HALA	181836059617	N	12	16								13.60	4	S1
140	GUELLIL MUSTAPHA KARIM	181837012532	N	5.67	9.67						8.5		8.97		S2
141	HABI ZAKARIA	181837010609	N	12.33	16.33								13.93	4	S1

142	HADJ MIMOUNE NADJIA MANEL	1637015971	D	10.67	14.67								12.27	4	S1
143	HADJ-ABDELKADER RABAH	13061899789	N	5.33	9.33							10.25	9.88		S2
144	HADJEBA CHAHINEZ	37022562	N	14	18								15.60	4	S1
145	HADJIMI CHOUROUK	181837018540	N	7.83	11.83							7.75	9.43		S1
146	HAIRECHE MERIEM	181837017415	N	9.33	13.33								10.93	4	S1
147	HAMADOUCHE ACHRAF MOHAME	181837010403	N	4.67	8.67							7.75	8.12		S2
148	HAMADOUCHE AYMEN FAKHREDI	181837010435	N	15.67	19.67								17.27	4	S1
149	HAMDAOUI MOHAMMED KHALIL	181837010882	N	4.83	8.83							12.5	11.03	4	S2
150	HAMDOUN Ahmed	37021565	D	8	12								9.60		S1
151	HAMDOUNE NESRINE	181837021116	N	8	12								9.60		S1
152	HAMED ABDELKADER	13061899836	N	6.87	10.87							8.25	9.30		S2
153	HAMMADOU RANIA DOUAA	181837013090	N	7.5	11.5							9.75	10.45	4	S2
154	Hanbli Anes	37022455	D	4.5	8.5								6.10		S1
155	HASSOUN ASMA	1637024230	N									8.75	5.25		S2
156	HENNI ANISSA	1637022501	D										0.00		S1
157	IKHLEF WAFAE	37018339	N	2.83	6.83							10.5	9.03		S2
158	ILES MIRVET	181837014070	N	10.33	14.33								11.93	4	S1
159	KACHOUR CHAHRAZED	1737018893	D	4.67	8.67							8.25	8.42		S2
160	KADA RABAH DOUNIA	181837020698	N	5.67	9.67								7.27		S1
161	KADDOURI ABDELHAK	171837026988	N	6.67	10.67							9	9.67		S2
162	KADEM CHAHINEZ	181837020713	N	12.83	16.83								14.43	4	S1
163	KAID SLIMANE ZINEB	181837012308	N	15.67	19.67								17.27	4	S1
164	KAMEL KHADIDJA	180153-V-15	Q										0.00		S1
165	KARA TERKI SARAH	13061899920	N	10.83	14.83								12.43	4	S1
166	KAROUN MOHAMMED ADLENE	181837012511	N	5	9								6.60		S1
167	KEBILI WAFI	181837018654	N	8	12								9.60		S1

168	KEFIF MOHAMMED EL AMINE	13061899828	N	5.67	9.67							10.25	10.02	4	S2
169	KERZABI WASSIM CHIHAB	13061899781	N	9.5	13.5								11.10	4	S1
170	KHAZINI MERYEM	1737013920	N	4.67	8.67								6.27		S1
171	KHOUANI CHAIMAA	181837013924	N	9.5	13.5								11.10	4	S1
172	KROUNI WASSILA	1637024760	N	7.5	11.5						7.75	9.25			S2
173	LACHACHI ABDELWAHAB	37011516	N	7.33	11.33								8.93		S1
174	LAFENDI MOHAMED SOFIANE	1737011693	D	2.67	6.67						10	8.67			S2
175	LAKEHAL IBTISSEM	37019501	N	7	11								8.60		S1
176	LAKEHALI IKRAM	181837016468	N	6.5	10.5								8.10		S1
177	LAOUK NESRINE	181837013218	N	4	8								5.60		S1
178	LARABI CHAHINEZ	181837013917	N	9	13								10.60	4	S1
179	LARIBI RAHMA	181837021640	N	9	13								10.60	4	S1
180	LECHLECH MERIEM SANAA	181837010959	N	10.67	14.67								12.27	4	S1
181	LEKDECH AMINA	181837013762	N	10.17	14.17								11.77	4	S1
182	LOTMANI ABDENNACEUR	37013866	N	1.17	5.17						9.75	7.92			S2
183	LOUHIBI SANAA	181837012339	N	6.67	10.67								8.27		S1
184	MAACHOU ADEL ILYES	1737011473	D	9.67	13.67								11.27	4	S1
185	MAHAMMEDI CHAIMAA EL DAOU	181837015744	N	4.17	8.17								5.77		S1
186	MAMMERI DJAMILA	181837013824	N	3	7						10	8.80			S2
187	MASSIM WALID	181837021125	N	9.67	13.67								11.27	4	S1
188	MAZARI DOUNYAZAD	181837018513	N	5.33	9.33								6.93		S1
189	MAZARI KHADIDJA	181837018509	N	6	10								7.60		S1
190	MEDJAHDAOUI RAWIDA	181837010597	N	3.5	7.5						10.5	9.30			S2
191	MEDJAHDI ABDERRAHMANE	1637019436	N	6	10								7.60		S1
192	MEDJDOUB SAMIA	181837012322	N	9.67	13.67								11.27	4	S1
193	MEFTAH KAOUTER KHOULOU	181837017119	N	1.67	5.67						7.5	6.77			S2

194	MEHIAOUI CHOUROUK	181837017960	N	11	15								12.60	4	S1
195	MEHIDI AMIRA	181837019864	N	4.17	8.17								5.77		S1
196	MEKSALI ABIR	181837019931	N	5.5	9.5								7.10		S1
197	MELAB NOR-EL-HOUDA	181837018645	N	4.67	8.67						8.75		8.72		S2
198	MEMMOU ROUMEISSA FATIMA ZA	181837015068	N	7	11								8.60		S1
199	MENGARI AMINA	37012864	N	8	12								9.60		S1
200	MERABET KHADIDJA	181837013841	N	6.67	10.67								8.27		S1
201	MERAD BOUDIA SARRA KENZA	181837010705	N	6.17	10.17						10		10.07	4	S2
202	MEROUANE ABDEL FETTAH	181837013956	N	14	18								15.60	4	S1
203	MESLI ILYES ABDELILLAH	37011207	N	3	7						10		8.80		S2
204	METERFI AMIRA	31052208	N	14	18								15.60	4	S1
205	MEZERAI WIEM	181837016619	N	9	13								10.60	4	S1
206	MEZIANE MAROUA	38070409	N	7.5	11.5								9.10		S1
207	MOHAMMEDI IBTISSEM	1737013764	N	10.30	10.30								10.30	4	S1
208	MOKHTAR KHADIDJA	181837016499	N	5	9						7.5		8.10		S2
209	MORDI KHADIDJA	181837021629	N	11.83	15.83								13.43	4	S1
210	MOUFFOK NOR ELHOUDA	181837019431	N	7.67	11.67								9.27		S1
211	MOULAI BOCHRA WAFAA	37010512	N	13.67	17.67								15.27	4	S1
212	MOUMEN SALIHA	181837019319	N	14	18								15.60	4	S1
213	NOUALI FEDIA MERIEM	181837021692	N	11.17	15.17								12.77	4	S1
214	NOUALI HADJER	181837017176	N	6.67	10.67						9.75		10.12	4	S2
215	NOUALI KENZA	1737022585	D	9.33	13.33								10.93	4	S1
216	OUADAH ISMAHANE	13061899785	N	14.17	18.17								15.77	4	S1
217	OUAHIANI FATIMA ZOHRA WISSE	1737013126	D	5.5	9.5						10.75		10.25	4	S2
218	OUAHIANI SOUMIA	181837012336	N	5.17	9.17								6.77		S1
219	OULD ALI FATIHA	181837012447	N	8.33	12.33						11.5		11.83	4	S2

220	OULMI FADI		13061899885	N	7.5	11.5							9.10		S1
221	RAHAL ASSALA		181837065048	N	6.5	10.5						8.75	9.45		S2
222	RAHAOUI WISSEM MALEK		181837013237	N	8	12							9.60		S1
223	RAHMANI MAROUA		181837014071	N	8.67	12.67							10.27	4	S1
224	RAHMANI SOUMIA		37016858	N	1	5						9.25	7.55		S2
225	RAHMOUNI HADJER		181837021750	N	6	10							7.60		S1
226	RAJA MARWA		181837010945	N	10.67	14.67							12.27	4	S1
227	RAMDAOUI IMENE		181837013783	N	2.5	6.5						7.25	6.95		S2
228	REGUIG CHOUROUK		181837015737	N	17	20							18.20	4	S1
229	REMILI IMANE		13021784602	D									0.00		S1
230	ROUHYEM HADIL		37021121	N	5.33	9.33							6.93		S1
231	SAIDOUNI HADJER		37017023	N	8.67	12.67							10.27	4	S1
232	SALHI DOUHA		181837013943	N	12.33	16.33							13.93	4	S1
233	SALHI MERYEM		181837010953	N	6	10							7.60		S1
234	SALHI ZINEB		1637028129	N	8	12							9.60		S1
235	SENAICI NAIMA		181837016606	N	7.33	11.33						8.5	9.63		S2
236	SENNANE KAWTHER		181837017116	N	6.33	10.33							7.93		S1
237	SERHANE MOHAMED		1637021278	D	5.33	9.33						8.5	8.83		S2
238	SI ALI DHIYA EDDINE		1637076732	N	7.5	11.5						10.25	10.75	4	S2
239	SOUALEM RIM-HIDAYET		181837010605	N	13	17							14.60	4	S1
240	SOULIMANE NOUHA		181837011035	N	7.67	11.67							9.27		S1
241	TADJI FAROUK		1737015547	N	3.5	7.5						5	6.00		S2
242	TALAH IBRAHIM ZAKARIA		181837015633	N	4	8						7	7.40		S2
243	TEHAMI KAWTHER		181837014016	N	11	15							12.60	4	S1
244	TEIBI HESNA		181837015054	N	7.67	11.67							9.27		S1
245	TERBOUD ABDEL-ILLAH		181837015107	N	8.67	12.67							10.27	4	S1

246	TOUNKOB CHAIMAA	181837021288	N	7	11								8.60		S1
247	YAZID YOUNES	37013980	N	16.67	20								18.00	4	S1
248	YEBDRI ZAKARIA	181837012299	N	13.83	17.83								15.43	4	S1
249	ZAIR DOUNYA	181837015705	N	11	15								12.60	4	S1
250	ZANOUNE ADEL	181837021068	N	16.67	20								18.00	4	S1
251	ZAOUI HADJ MOHAMMED	13061899851	N	4	8								5.60		S1
252	ZEGGAI ZAKARIA	1737018869	D	4	8							7.75	7.85		S2
253	ZENATI TANI NADJAT	37015613	N	6.17	10.17							6.75	8.12		S2
254	ZIANI FATIMA	1637021223	D	9.67	13.67								11.27	4	S1
255	ZIRAR SARRA IKRAM	181837020322	N	5.67	9.67								7.27		S1
256	ZOUAG SOFIA YASMINE	181837017970	N	16	20								17.60	4	S1
257	ZOUHIRI KHADIDJA SEGHIRA	181837018511	N	9	13								10.60	4	S1

Enseignants de la matière (Noms, Prénoms et Signatures)

1-
2-

3-
4-

Nombre d'étudiants ayant amélioré leurs résultats en 2^osession: 52

Nombre d'étudiants reçus en 2^oses: 16

Nombre d'étudiants exclus de la matière: 0

Nombre total d 142 sur 257 soit 55,25 %