



2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

قرار رقم 1212 المؤرخ في 09 أوت 2021 N°

Matière: Anglais technique et Terminologie / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	4.0	0.0	4.0	NORMALE
2	181839072272	15.0	0.0	15.0	NORMALE
3	171739080751	7.0	0.0	7.0	NORMALE
4	181439060670	15.0	0.0	15.0	NORMALE
5	211339046961	11.0	0.0	11.0	NORMALE
6	181839071404	14.5	0.0	14.5	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	13.0	0.0	13.0	NORMALE
9	171739072673	10.0	0.0	10.0	NORMALE
10	181539077010	10.0	0.0	10.0	NORMALE
11	20049041117	12.5	0.0	12.5	NORMALE
12	181839067574	11.5	0.0	11.5	NORMALE
13	19059056237	14.0	0.0	14.0	NORMALE
14	2188420846	12.0	0.0	12.0	NORMALE
15	161639070757	10.25	0.0	10.25	NORMALE
16	2097827822	10.0	0.0	10.0	NORMALE
17	171739067213	10.5	0.0	10.5	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	7.5	0.0	7.5	NORMALE
21	161639067423	12.0	0.0	12.0	NORMALE
22	161739081753	15.0	0.0	15.0	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	10.0	0.0	10.0	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** Anglais technique et Terminologie / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	10.0	0.0	10.0	NORMALE
2	21119045498	15.0	0.0	15.0	NORMALE
3	161639056995	5.0	0.0	5.0	NORMALE
4	171739071365	10.5	0.0	10.5	NORMALE
5	181839068231	13.5	0.0	13.5	NORMALE
6	181839068341	10.0	0.0	10.0	NORMALE
7	161639076833	10.0	0.0	10.0	NORMALE
8	21069054317	14.5	0.0	14.5	NORMALE
9	181839071484	14.0	0.0	14.0	NORMALE
10	2099932513	11.0	0.0	11.0	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	14.0	0.0	14.0	NORMALE
13	181839070256	7.0	0.0	7.0	NORMALE
14	171739069684	5.0	0.0	5.0	NORMALE
15	20059043681	12.0	0.0	12.0	NORMALE
16	181839072363	10.0	0.0	10.0	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	12.0	0.0	12.0	NORMALE
19	161439062444	8.0	0.0	8.0	NORMALE
20	21099050806	14.5	0.0	14.5	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

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Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Anglais technique et Terminologie / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	12.5	0.0	12.5	NORMALE
2	181839071088	17.5	0.0	17.5	NORMALE
3	21119044802	12.5	0.0	12.5	NORMALE
4	171739070039	13.5	0.0	13.5	NORMALE
5	181839068234	15.5	0.0	15.5	NORMALE
6	181839071931	14.0	0.0	14.0	NORMALE
7	161639068960	14.0	0.0	14.0	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	15.0	0.0	15.0	NORMALE
10	181839067493	15.5	0.0	15.5	NORMALE
11	161639072588	12.5	0.0	12.5	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	11.0	0.0	11.0	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	14.0	0.0	14.0	NORMALE
16	171739064566	0.0	0.0	0.0	NORMALE
17	2099932522	17.0	0.0	17.0	NORMALE
18	171739067653	13.5	0.0	13.5	NORMALE
19	181839073622	13.5	0.0	13.5	NORMALE
20	171739081667	13.5	0.0	13.5	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	7.0	0.0	7.0	NORMALE
23	171539075069	13.0	0.0	13.0	NORMALE
24	211339057761	7.0	0.0	7.0	NORMALE

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**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Anglais technique et Terminologie / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	11.0	0.0	11.0	NORMALE
2	171739065214	17.5	0.0	17.5	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	12.5	0.0	12.5	NORMALE
5	161639057037	11.0	0.0	11.0	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	12.5	0.0	12.5	NORMALE
8	21119045604	11.5	0.0	11.5	NORMALE
9	161639072625	11.5	0.0	11.5	NORMALE
10	171739070702	7.0	0.0	7.0	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	15.5	0.0	15.5	NORMALE
13	181839065701	14.0	0.0	14.0	NORMALE
14	21079074789	10.0	0.0	10.0	NORMALE
15	161739080651	10.0	0.0	10.0	NORMALE
16	171739075753	15.5	0.0	15.5	NORMALE
17	181839071160	11.0	0.0	11.0	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	14.0	0.0	14.0	NORMALE
20	21109042008	14.0	0.0	14.0	NORMALE
21	211439064881	11.0	0.0	11.0	NORMALE
22	211439055714	13.5	0.0	13.5	NORMALE

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**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** Energies Renouvelables et Enjeux Energétiques / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	12.0	14.0	12.8	NORMALE
2	181839072272	9.0	0.0	5.4	NORMALE
3	171739080751	10.0	10.0	10.0	NORMALE
4	181439060670	11.2	11.2	11.2	NORMALE
5	211339046961	11.0	0.0	6.6	NORMALE
6	181839071404	10.0	8.0	9.2	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	10.0	8.0	9.2	NORMALE
9	171739072673	12.5	0.0	7.5	NORMALE
10	181539077010	11.0	12.0	11.4	NORMALE
11	20049041117	15.0	16.0	15.4	NORMALE
12	181839067574	12.0	9.0	10.8	NORMALE
13	19059056237	14.5	14.5	14.5	NORMALE
14	2188420846	12.0	10.0	11.2	NORMALE
15	161639070757	6.0	6.0	6.0	NORMALE
16	2097827822	15.5	10.0	13.3	NORMALE
17	171739067213	0.0	0.0	0.0	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	11.0	0.0	6.6	NORMALE
21	161639067423	0.0	0.0	0.0	NORMALE
22	161739081753	12.0	14.0	12.8	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	13.5	12.0	12.9	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	0.0	0.0	NORMALE

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**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** Energies Renouvelables et Enjeux Energétiques / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	11.0	10.0	10.6	NORMALE
2	21119045498	13.0	8.0	11.0	NORMALE
3	161639056995	10.0	0.0	6.0	NORMALE
4	171739071365	12.0	11.0	11.6	NORMALE
5	181839068231	8.0	3.0	6.0	NORMALE
6	181839068341	12.0	10.0	11.2	NORMALE
7	161639076833	11.8	11.8	11.8	NORMALE
8	21069054317	14.0	16.0	14.8	NORMALE
9	181839071484	12.0	8.0	10.4	NORMALE
10	2099932513	13.5	12.0	12.9	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	13.0	0.0	7.8	NORMALE
13	181839070256	11.5	0.0	6.9	NORMALE
14	171739069684	13.5	10.5	12.3	NORMALE
15	20059043681	14.0	0.0	8.4	NORMALE
16	181839072363	10.0	0.0	6.0	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	13.0	10.0	11.8	NORMALE
19	161439062444	11.0	15.0	12.6	NORMALE
20	21099050806	14.0	10.0	12.4	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

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**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 09

**Matière:** Energies Renouvelables et Enjeux Energétiques / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	12.0	14.0	12.8	NORMALE
2	181839071088	12.0	11.0	11.6	NORMALE
3	21119044802	12.0	11.0	11.6	NORMALE
4	171739070039	1.2	1.2	1.2	NORMALE
5	181839068234	10.5	9.0	9.9	NORMALE
6	181839071931	10.0	11.0	10.4	NORMALE
7	161639068960	7.2	7.2	7.2	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	13.0	0.0	7.8	NORMALE
10	181839067493	10.0	10.0	10.0	NORMALE
11	161639072588	13.0	10.0	11.8	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	15.0	11.0	13.4	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	13.5	13.0	13.3	NORMALE
16	171739064566	11.4	11.4	11.4	NORMALE
17	2099932522	12.0	12.0	12.0	NORMALE
18	171739067653	12.0	7.0	10.0	NORMALE
19	181839073622	13.0	13.0	13.0	NORMALE
20	171739081667	12.0	11.0	11.6	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	10.0	6.0	8.4	NORMALE
23	171539075069	13.0	11.0	12.2	NORMALE
24	211339057761	13.0	10.0	11.8	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** Energies Renouvelables et Enjeux Energétiques / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	0.0	0.0	NORMALE
2	171739065214	6.8	6.8	6.8	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	10.0	0.0	6.0	NORMALE
5	161639057037	12.0	0.0	7.2	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	13.0	0.0	7.8	NORMALE
8	21119045604	12.0	5.0	9.2	NORMALE
9	161639072625	6.8	6.8	6.8	NORMALE
10	171739070702	10.0	12.0	10.8	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	10.0	6.0	8.4	NORMALE
13	181839065701	11.0	11.0	11.0	NORMALE
14	21079074789	14.0	10.0	12.4	NORMALE
15	161739080651	10.5	0.0	6.3	NORMALE
16	171739075753	10.0	8.0	9.2	NORMALE
17	181839071160	12.0	10.0	11.2	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	13.0	10.0	11.8	NORMALE
20	21109042008	14.5	13.0	13.9	NORMALE
21	211439064881	13.0	0.0	7.8	NORMALE
22	211439055714	12.0	10.0	11.2	NORMALE



2021/2022

**Filière:** génie mécanique  
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**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Gisements Renouvelables et Météorologie / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	5.75	8.13	6.7	NORMALE
2	181839072272	8.5	10.37	9.25	NORMALE
3	171739080751	9.5	1.5	6.3	NORMALE
4	181439060670	0.0	0.0	0.0	NORMALE
5	211339046961	7.0	11.63	8.85	NORMALE
6	181839071404	6.5	10.0	7.9	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	6.75	11.38	8.6	NORMALE
9	171739072673	7.25	0.0	4.35	NORMALE
10	181539077010	9.25	9.0	9.15	NORMALE
11	20049041117	11.5	13.88	12.45	NORMALE
12	181839067574	11.75	11.63	11.7	NORMALE
13	19059056237	16.75	12.5	15.05	NORMALE
14	2188420846	6.0	10.0	7.6	NORMALE
15	161639070757	10.2	10.2	10.2	NORMALE
16	2097827822	11.0	13.5	12.0	NORMALE
17	171739067213	0.0	0.0	0.0	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	0.0	9.5	3.8	NORMALE
21	161639067423	5.75	12.5	8.45	NORMALE
22	161739081753	9.75	11.75	10.55	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	10.75	12.88	11.6	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	6.5	2.6	NORMALE

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**Filière:** génie mécanique  
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**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Gisements Renouvelables et Météorologie / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	5.25	9.5	6.95	NORMALE
2	21119045498	8.75	10.87	9.6	NORMALE
3	161639056995	5.25	0.0	3.15	NORMALE
4	171739071365	8.75	13.38	10.6	NORMALE
5	181839068231	7.0	10.88	8.55	NORMALE
6	181839068341	11.25	8.75	10.25	NORMALE
7	161639076833	9.0	8.0	8.6	NORMALE
8	21069054317	11.75	16.25	13.55	NORMALE
9	181839071484	8.0	9.88	8.75	NORMALE
10	2099932513	13.25	13.75	13.45	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	10.25	12.0	10.95	NORMALE
13	181839070256	9.75	12.5	10.85	NORMALE
14	171739069684	8.5	11.63	9.75	NORMALE
15	20059043681	12.5	12.75	12.6	NORMALE
16	181839072363	8.75	8.0	8.45	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	6.75	3.0	5.25	NORMALE
19	161439062444	9.25	11.75	10.25	NORMALE
20	21099050806	9.75	12.5	10.85	NORMALE
21	211539070481	0.0	6.5	2.6	NORMALE

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Filière: génie mécanique  
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت N°

Matière: Gisements Renouvelables et Météorologie / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	7.5	6.5	7.1	NORMALE
2	181839071088	11.5	11.0	11.3	NORMALE
3	21119044802	11.0	11.37	11.15	NORMALE
4	171739070039	3.5	12.25	7.0	NORMALE
5	181839068234	9.25	11.0	9.95	NORMALE
6	181839071931	9.25	12.63	10.6	NORMALE
7	161639068960	0.0	0.0	0.0	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	6.0	6.5	6.2	NORMALE
10	181839067493	6.5	12.25	8.8	NORMALE
11	161639072588	10.25	10.0	10.15	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	8.25	13.63	10.4	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	6.5	10.88	8.25	NORMALE
16	171739064566	8.75	0.0	5.25	NORMALE
17	2099932522	11.25	16.75	13.45	NORMALE
18	171739067653	8.75	10.25	9.35	NORMALE
19	181839073622	10.75	15.0	12.45	NORMALE
20	171739081667	6.25	8.38	7.1	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	8.5	10.25	9.2	NORMALE
23	171539075069	6.75	15.0	10.05	NORMALE
24	211339057761	8.0	10.63	9.05	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** Gisements Renouvelables et Météorologie / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	0.0	0.0	NORMALE
2	171739065214	6.5	8.75	7.4	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	10.75	11.37	11.0	NORMALE
5	161639057037	9.75	7.87	9.0	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	6.0	10.75	7.9	NORMALE
8	21119045604	8.5	10.0	9.1	NORMALE
9	161639072625	8.25	0.0	4.95	NORMALE
10	171739070702	10.0	3.38	7.35	NORMALE
11	171739073698	0.0	6.5	2.6	NORMALE
12	181839072229	6.0	10.25	7.7	NORMALE
13	181839065701	8.75	11.25	9.75	NORMALE
14	21079074789	9.25	11.5	10.15	NORMALE
15	161739080651	6.75	12.25	8.95	NORMALE
16	171739075753	7.0	8.0	7.4	NORMALE
17	181839071160	8.75	10.63	9.5	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	9.25	12.25	10.45	NORMALE
20	21109042008	8.0	13.13	10.05	NORMALE
21	211439064881	9.75	10.75	10.15	NORMALE
22	211439055714	6.75	10.75	8.35	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Mécanique des Fluides Approfondie / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	0.0	4.0	1.6	NORMALE
2	181839072272	0.0	7.0	2.8	NORMALE
3	171739080751	2.0	8.0	4.4	NORMALE
4	181439060670	0.0	0.0	0.0	NORMALE
5	211339046961	0.0	4.0	1.6	NORMALE
6	181839071404	0.0	1.0	0.4	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	0.0	12.5	5.0	NORMALE
9	171739072673	0.0	1.0	0.4	NORMALE
10	181539077010	0.0	5.0	2.0	NORMALE
11	20049041117	0.0	9.0	3.6	NORMALE
12	181839067574	7.0	14.0	9.8	NORMALE
13	19059056237	17.0	20.0	18.2	NORMALE
14	2188420846	0.0	8.5	3.4	NORMALE
15	161639070757	0.0	0.0	0.0	NORMALE
16	2097827822	3.0	14.0	7.4	NORMALE
17	171739067213	10.4	10.4	10.4	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	5.0	11.0	7.4	NORMALE
21	161639067423	0.0	12.0	4.8	NORMALE
22	161739081753	0.0	4.25	1.7	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	20.0	14.0	17.6	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Mécanique des Fluides Approfondie / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	7.0	14.0	9.8	NORMALE
2	21119045498	0.0	6.0	2.4	NORMALE
3	161639056995	0.0	0.0	0.0	NORMALE
4	171739071365	0.0	9.5	3.8	NORMALE
5	181839068231	2.0	2.0	2.0	NORMALE
6	181839068341	2.0	4.0	2.8	NORMALE
7	161639076833	10.4	10.4	10.4	NORMALE
8	21069054317	9.0	14.5	11.2	NORMALE
9	181839071484	0.0	6.0	2.4	NORMALE
10	2099932513	8.0	14.0	10.4	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	6.0	4.0	5.2	NORMALE
13	181839070256	0.0	9.0	3.6	NORMALE
14	171739069684	0.0	3.5	1.4	NORMALE
15	20059043681	2.0	8.0	4.4	NORMALE
16	181839072363	0.0	1.0	0.4	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	0.0	1.0	0.4	NORMALE
19	161439062444	0.0	8.0	3.2	NORMALE
20	21099050806	8.0	17.5	11.8	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Mécanique des Fluides Approfondie / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	0.0	5.0	2.0	NORMALE
2	181839071088	2.0	4.0	2.8	NORMALE
3	21119044802	8.0	17.0	11.6	NORMALE
4	171739070039	10.4	10.4	10.4	NORMALE
5	181839068234	0.0	14.0	5.6	NORMALE
6	181839071931	0.0	4.0	1.6	NORMALE
7	161639068960	10.4	10.4	10.4	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	0.0	5.0	2.0	NORMALE
10	181839067493	11.0	14.0	12.2	NORMALE
11	161639072588	0.0	16.0	6.4	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	0.0	10.0	4.0	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	0.0	4.0	1.6	NORMALE
16	171739064566	0.0	0.0	0.0	NORMALE
17	2099932522	2.0	13.0	6.4	NORMALE
18	171739067653	0.0	2.0	0.8	NORMALE
19	181839073622	2.0	2.0	2.0	NORMALE
20	171739081667	0.0	4.0	1.6	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	0.0	10.0	4.0	NORMALE
23	171539075069	0.0	5.0	2.0	NORMALE
24	211339057761	11.0	11.5	11.2	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Mécanique des Fluides Approfondie / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	0.0	0.0	NORMALE
2	171739065214	10.4	10.4	10.4	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	0.0	9.5	3.8	NORMALE
5	161639057037	6.0	9.5	7.4	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	0.0	14.0	5.6	NORMALE
8	21119045604	9.0	9.5	9.2	NORMALE
9	161639072625	10.4	10.4	10.4	NORMALE
10	171739070702	0.0	18.0	7.2	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	0.0	8.5	3.4	NORMALE
13	181839065701	0.0	0.0	0.0	NORMALE
14	21079074789	0.0	1.0	0.4	NORMALE
15	161739080651	0.0	4.0	1.6	NORMALE
16	171739075753	10.4	10.4	10.4	NORMALE
17	181839071160	0.0	11.0	4.4	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	0.0	4.0	1.6	NORMALE
20	21109042008	20.0	20.0	20.0	NORMALE
21	211439064881	0.0	12.0	4.8	NORMALE
22	211439055714	0.0	4.0	1.6	NORMALE



2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Méthodes Numériques Appliquées / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	7.5	15.5	10.7	NORMALE
2	181839072272	7.0	10.0	8.2	NORMALE
3	171739080751	3.0	10.0	5.8	NORMALE
4	181439060670	0.0	0.0	0.0	NORMALE
5	211339046961	3.0	0.0	1.8	NORMALE
6	181839071404	7.5	3.0	5.7	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	7.0	14.5	10.0	NORMALE
9	171739072673	7.0	10.0	8.2	NORMALE
10	181539077010	7.5	6.5	7.1	NORMALE
11	20049041117	7.0	11.0	8.6	NORMALE
12	181839067574	18.0	12.5	15.8	NORMALE
13	19059056237	11.5	11.5	11.5	NORMALE
14	2188420846	4.0	12.5	7.4	NORMALE
15	161639070757	0.0	0.0	0.0	NORMALE
16	2097827822	9.5	5.0	7.7	NORMALE
17	171739067213	10.4	10.4	10.4	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	8.5	4.0	6.7	NORMALE
21	161639067423	9.5	4.5	7.5	NORMALE
22	161739081753	7.0	3.0	5.4	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	12.0	10.0	11.2	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Méthodes Numériques Appliquées / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	0.0	10.0	4.0	NORMALE
2	21119045498	9.5	10.0	9.7	NORMALE
3	161639056995	3.0	2.0	2.6	NORMALE
4	171739071365	3.0	10.0	5.8	NORMALE
5	181839068231	13.5	6.0	10.5	NORMALE
6	181839068341	9.5	16.5	12.3	NORMALE
7	161639076833	3.0	0.0	1.8	NORMALE
8	21069054317	8.0	14.0	10.4	NORMALE
9	181839071484	7.0	5.0	6.2	NORMALE
10	2099932513	7.0	3.5	5.6	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	12.0	10.0	11.2	NORMALE
13	181839070256	7.0	4.0	5.8	NORMALE
14	171739069684	8.0	6.5	7.4	NORMALE
15	20059043681	7.0	11.0	8.6	NORMALE
16	181839072363	7.0	12.0	9.0	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	7.0	6.5	6.8	NORMALE
19	161439062444	7.0	9.0	7.8	NORMALE
20	21099050806	12.0	10.5	11.4	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Méthodes Numériques Appliquées / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	12.0	6.0	9.6	NORMALE
2	181839071088	7.0	12.0	9.0	NORMALE
3	21119044802	7.0	11.5	8.8	NORMALE
4	171739070039	9.0	6.5	8.0	NORMALE
5	181839068234	12.5	5.5	9.7	NORMALE
6	181839071931	7.5	11.0	8.9	NORMALE
7	161639068960	0.0	0.0	0.0	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	13.0	10.0	11.8	NORMALE
10	181839067493	10.0	20.0	14.0	NORMALE
11	161639072588	7.0	12.0	9.0	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	7.0	11.0	8.6	NORMALE
14	161639057018	2.0	0.0	1.2	NORMALE
15	171739075334	8.0	10.0	8.8	NORMALE
16	171739064566	0.0	0.0	0.0	NORMALE
17	2099932522	5.0	3.0	4.2	NORMALE
18	171739067653	8.0	12.0	9.6	NORMALE
19	181839073622	7.0	12.0	9.0	NORMALE
20	171739081667	10.0	6.5	8.6	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	7.0	10.0	8.2	NORMALE
23	171539075069	12.0	6.5	9.8	NORMALE
24	211339057761	3.0	3.0	3.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Méthodes Numériques Appliquées / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	0.0	0.0	NORMALE
2	171739065214	7.5	6.5	7.1	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	13.0	10.0	11.8	NORMALE
5	161639057037	9.5	10.0	9.7	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	7.5	12.0	9.3	NORMALE
8	21119045604	14.5	10.0	12.7	NORMALE
9	161639072625	11.0	11.0	11.0	NORMALE
10	171739070702	12.0	12.5	12.2	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	7.0	10.0	8.2	NORMALE
13	181839065701	5.5	13.0	8.5	NORMALE
14	21079074789	9.5	10.0	9.7	NORMALE
15	161739080651	7.0	12.0	9.0	NORMALE
16	171739075753	13.5	12.0	12.9	NORMALE
17	181839071160	11.0	7.0	9.4	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	10.0	12.0	10.8	NORMALE
20	21109042008	14.5	14.0	14.3	NORMALE
21	211439064881	12.5	12.0	12.3	NORMALE
22	211439055714	12.5	12.0	12.3	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Notions D'aérody et Turboma / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	5.0	0.0	5.0	NORMALE
2	181839072272	5.0	0.0	5.0	NORMALE
3	171739080751	5.0	0.0	5.0	NORMALE
4	181439060670	14.0	0.0	14.0	NORMALE
5	211339046961	9.0	0.0	9.0	NORMALE
6	181839071404	5.0	0.0	5.0	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	4.0	0.0	4.0	NORMALE
9	171739072673	9.0	0.0	9.0	NORMALE
10	181539077010	8.0	0.0	8.0	NORMALE
11	200490411117	17.0	0.0	17.0	NORMALE
12	181839067574	17.0	0.0	17.0	NORMALE
13	19059056237	18.0	0.0	18.0	NORMALE
14	2188420846	7.0	0.0	7.0	NORMALE
15	161639070757	0.0	0.0	0.0	NORMALE
16	2097827822	15.0	0.0	15.0	NORMALE
17	171739067213	14.0	0.0	14.0	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	7.0	0.0	7.0	NORMALE
21	161639067423	8.0	0.0	8.0	NORMALE
22	161739081753	7.0	0.0	7.0	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	10.0	0.0	10.0	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت N°

**Matière:** Notions D'aérody et Turboma / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	7.0	0.0	7.0	NORMALE
2	21119045498	8.0	0.0	8.0	NORMALE
3	161639056995	6.0	0.0	6.0	NORMALE
4	171739071365	7.0	0.0	7.0	NORMALE
5	181839068231	9.0	0.0	9.0	NORMALE
6	181839068341	8.0	0.0	8.0	NORMALE
7	161639076833	11.0	0.0	11.0	NORMALE
8	21069054317	17.0	0.0	17.0	NORMALE
9	181839071484	6.0	0.0	6.0	NORMALE
10	2099932513	12.0	0.0	12.0	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	10.0	0.0	10.0	NORMALE
13	181839070256	8.0	0.0	8.0	NORMALE
14	171739069684	0.0	0.0	0.0	NORMALE
15	20059043681	9.0	0.0	9.0	NORMALE
16	181839072363	8.0	0.0	8.0	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	16.0	0.0	16.0	NORMALE
19	161439062444	6.0	0.0	6.0	NORMALE
20	21099050806	17.0	0.0	17.0	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Notions D'aérody et Turboma / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	6.0	0.0	6.0	NORMALE
2	181839071088	11.0	0.0	11.0	NORMALE
3	21119044802	7.0	0.0	7.0	NORMALE
4	171739070039	13.0	0.0	13.0	NORMALE
5	181839068234	18.0	0.0	18.0	NORMALE
6	181839071931	9.0	0.0	9.0	NORMALE
7	161639068960	14.0	0.0	14.0	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	17.0	0.0	17.0	NORMALE
10	181839067493	15.0	0.0	15.0	NORMALE
11	161639072588	6.0	0.0	6.0	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	6.0	0.0	6.0	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	6.0	0.0	6.0	NORMALE
16	171739064566	0.0	0.0	0.0	NORMALE
17	2099932522	13.0	0.0	13.0	NORMALE
18	171739067653	5.0	0.0	5.0	NORMALE
19	181839073622	16.0	0.0	16.0	NORMALE
20	171739081667	8.0	0.0	8.0	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	3.0	0.0	3.0	NORMALE
23	171539075069	8.0	0.0	8.0	NORMALE
24	211339057761	7.0	0.0	7.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Notions D'aérody et Turboma / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	12.5	0.0	12.5	NORMALE
2	171739065214	16.0	0.0	16.0	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	15.0	0.0	15.0	NORMALE
5	161639057037	7.0	0.0	7.0	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	15.0	0.0	15.0	NORMALE
8	21119045604	14.0	0.0	14.0	NORMALE
9	161639072625	13.0	0.0	13.0	NORMALE
10	171739070702	13.0	0.0	13.0	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	7.0	0.0	7.0	NORMALE
13	181839065701	16.0	0.0	16.0	NORMALE
14	21079074789	17.0	0.0	17.0	NORMALE
15	161739080651	10.0	0.0	10.0	NORMALE
16	171739075753	13.0	0.0	13.0	NORMALE
17	181839071160	13.0	0.0	13.0	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	10.0	0.0	10.0	NORMALE
20	21109042008	16.0	0.0	16.0	NORMALE
21	211439064881	5.0	0.0	5.0	NORMALE
22	211439055714	6.0	0.0	6.0	NORMALE



2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Réglementation et Normes / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	5.5	0.0	5.5	NORMALE
2	181839072272	14.25	0.0	14.25	NORMALE
3	171739080751	3.5	0.0	3.5	NORMALE
4	181439060670	7.0	0.0	7.0	NORMALE
5	211339046961	0.0	0.0	0.0	NORMALE
6	181839071404	12.0	0.0	12.0	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	8.5	0.0	8.5	NORMALE
9	171739072673	5.0	0.0	5.0	NORMALE
10	181539077010	9.75	0.0	9.75	NORMALE
11	200490411117	11.25	0.0	11.25	NORMALE
12	181839067574	5.5	0.0	5.5	NORMALE
13	19059056237	15.5	0.0	15.5	NORMALE
14	2188420846	5.0	0.0	5.0	NORMALE
15	161639070757	0.0	0.0	0.0	NORMALE
16	2097827822	7.0	0.0	7.0	NORMALE
17	171739067213	9.75	0.0	9.75	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	6.75	0.0	6.75	NORMALE
21	161639067423	6.5	0.0	6.5	NORMALE
22	161739081753	6.75	0.0	6.75	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	10.0	0.0	10.0	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Réglementation et Normes / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	7.5	0.0	7.5	NORMALE
2	21119045498	8.0	0.0	8.0	NORMALE
3	161639056995	6.0	0.0	6.0	NORMALE
4	171739071365	6.25	0.0	6.25	NORMALE
5	181839068231	4.75	0.0	4.75	NORMALE
6	181839068341	11.25	0.0	11.25	NORMALE
7	161639076833	4.25	0.0	4.25	NORMALE
8	21069054317	10.0	0.0	10.0	NORMALE
9	181839071484	8.75	0.0	8.75	NORMALE
10	2099932513	10.0	0.0	10.0	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	6.25	0.0	6.25	NORMALE
13	181839070256	7.5	0.0	7.5	NORMALE
14	171739069684	4.75	0.0	4.75	NORMALE
15	20059043681	5.25	0.0	5.25	NORMALE
16	181839072363	10.5	0.0	10.5	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	8.75	0.0	8.75	NORMALE
19	161439062444	5.25	0.0	5.25	NORMALE
20	21099050806	13.5	0.0	13.5	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Réglementation et Normes / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	0.0	0.0	0.0	NORMALE
2	181839071088	12.0	0.0	12.0	NORMALE
3	21119044802	11.75	0.0	11.75	NORMALE
4	171739070039	14.25	0.0	14.25	NORMALE
5	181839068234	2.5	0.0	2.5	NORMALE
6	181839071931	6.25	0.0	6.25	NORMALE
7	161639068960	8.25	0.0	8.25	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	7.75	0.0	7.75	NORMALE
10	181839067493	8.5	0.0	8.5	NORMALE
11	161639072588	5.25	0.0	5.25	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	8.0	0.0	8.0	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	4.5	0.0	4.5	NORMALE
16	171739064566	4.75	0.0	4.75	NORMALE
17	2099932522	9.5	0.0	9.5	NORMALE
18	171739067653	1.0	0.0	1.0	NORMALE
19	181839073622	7.0	0.0	7.0	NORMALE
20	171739081667	3.0	0.0	3.0	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	6.5	0.0	6.5	NORMALE
23	171539075069	5.5	0.0	5.5	NORMALE
24	211339057761	7.5	0.0	7.5	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

**Matière:** Réglementation et Normes / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	0.0	0.0	NORMALE
2	171739065214	8.5	0.0	8.5	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	6.0	0.0	6.0	NORMALE
5	161639057037	5.0	0.0	5.0	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	15.5	0.0	15.5	NORMALE
8	21119045604	14.75	0.0	14.75	NORMALE
9	161639072625	4.25	0.0	4.25	NORMALE
10	171739070702	13.75	0.0	13.75	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	5.75	0.0	5.75	NORMALE
13	181839065701	13.75	0.0	13.75	NORMALE
14	21079074789	5.0	0.0	5.0	NORMALE
15	161739080651	7.75	0.0	7.75	NORMALE
16	171739075753	13.5	0.0	13.5	NORMALE
17	181839071160	8.25	0.0	8.25	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	16.25	0.0	16.25	NORMALE
20	21109042008	16.25	0.0	16.25	NORMALE
21	211439064881	8.5	0.0	8.5	NORMALE
22	211439055714	7.0	0.0	7.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Thermodynamique Approfondie / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	2.0	12.5	6.2	NORMALE
2	181839072272	8.0	10.0	8.8	NORMALE
3	171739080751	2.0	10.5	5.4	NORMALE
4	181439060670	0.0	0.0	0.0	NORMALE
5	211339046961	2.0	0.0	1.2	NORMALE
6	181839071404	2.0	7.0	4.0	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	17.0	10.5	14.4	NORMALE
9	171739072673	2.0	8.0	4.4	NORMALE
10	181539077010	3.0	11.5	6.4	NORMALE
11	20049041117	2.0	10.0	5.2	NORMALE
12	181839067574	10.0	12.5	11.0	NORMALE
13	19059056237	18.0	12.5	15.8	NORMALE
14	2188420846	6.0	10.5	7.8	NORMALE
15	161639070757	0.0	0.0	0.0	NORMALE
16	2097827822	2.0	8.5	4.6	NORMALE
17	171739067213	0.0	0.0	0.0	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	0.0	0.0	0.0	NORMALE
21	161639067423	10.0	7.0	8.8	NORMALE
22	161739081753	9.0	8.0	8.6	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	16.0	13.0	14.8	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	6.0	14.0	9.2	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** Thermodynamique Approfondie / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	5.0	12.5	8.0	NORMALE
2	21119045498	6.0	8.0	6.8	NORMALE
3	161639056995	2.0	0.0	1.2	NORMALE
4	171739071365	8.0	10.0	8.8	NORMALE
5	181839068231	11.0	11.0	11.0	NORMALE
6	181839068341	18.0	16.0	17.2	NORMALE
7	161639076833	0.0	0.0	0.0	NORMALE
8	21069054317	8.0	8.0	8.0	NORMALE
9	181839071484	2.0	5.0	3.2	NORMALE
10	2099932513	5.0	8.0	6.2	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	14.0	13.5	13.8	NORMALE
13	181839070256	6.0	0.0	3.6	NORMALE
14	171739069684	5.0	0.0	3.0	NORMALE
15	20059043681	4.0	10.0	6.4	NORMALE
16	181839072363	5.0	11.0	7.4	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	7.0	14.0	9.8	NORMALE
19	161439062444	2.0	10.5	5.4	NORMALE
20	21099050806	11.0	10.5	10.8	NORMALE
21	211539070481	0.0	0.0	0.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Thermodynamique Approfondie / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	8.0	0.0	4.8	NORMALE
2	181839071088	6.0	8.5	7.0	NORMALE
3	21119044802	12.0	11.0	11.6	NORMALE
4	171739070039	2.0	11.0	5.6	NORMALE
5	181839068234	14.0	7.0	11.2	NORMALE
6	181839071931	4.0	8.5	5.8	NORMALE
7	161639068960	0.0	0.0	0.0	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	14.0	12.0	13.2	NORMALE
10	181839067493	17.0	11.0	14.6	NORMALE
11	161639072588	5.0	7.0	5.8	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	12.0	8.0	10.4	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	2.0	13.5	6.6	NORMALE
16	171739064566	0.0	0.0	0.0	NORMALE
17	2099932522	2.0	10.0	5.2	NORMALE
18	171739067653	2.0	10.0	5.2	NORMALE
19	181839073622	8.0	10.0	8.8	NORMALE
20	171739081667	2.0	10.0	5.2	NORMALE
21	171739076642	0.0	0.0	0.0	NORMALE
22	161439062716	6.0	12.0	8.4	NORMALE
23	171539075069	10.0	12.0	10.8	NORMALE
24	211339057761	12.0	14.0	12.8	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: Thermodynamique Approfondie / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	6.5	0.0	3.9	NORMALE
2	171739065214	2.0	0.0	1.2	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	8.0	13.0	10.0	NORMALE
5	161639057037	6.0	9.0	7.2	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	13.0	10.0	11.8	NORMALE
8	21119045604	17.0	11.0	14.6	NORMALE
9	161639072625	2.0	14.0	6.8	NORMALE
10	171739070702	11.0	0.0	6.6	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	3.0	8.0	5.0	NORMALE
13	181839065701	9.0	11.0	9.8	NORMALE
14	21079074789	11.0	10.0	10.6	NORMALE
15	161739080651	6.5	12.0	8.7	NORMALE
16	171739075753	5.0	0.0	3.0	NORMALE
17	181839071160	11.0	11.5	11.2	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	3.5	8.0	5.3	NORMALE
20	21109042008	18.0	18.0	18.0	NORMALE
21	211439064881	10.0	10.0	10.0	NORMALE
22	211439055714	13.0	13.0	13.0	NORMALE



2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2019

Matière: TP Gisements Renouvelables et Météorologie / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	0.0	17.5	17.5	NORMALE
2	181839072272	0.0	17.5	17.5	NORMALE
3	171739080751	0.0	10.0	10.0	NORMALE
4	181439060670	0.0	13.8	13.8	NORMALE
5	211339046961	0.0	12.0	12.0	NORMALE
6	181839071404	0.0	17.0	17.0	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	0.0	17.5	17.5	NORMALE
9	171739072673	0.0	14.0	14.0	NORMALE
10	181539077010	0.0	15.25	15.25	NORMALE
11	200490411117	0.0	17.0	17.0	NORMALE
12	181839067574	0.0	16.5	16.5	NORMALE
13	19059056237	0.0	19.0	19.0	NORMALE
14	2188420846	0.0	16.5	16.5	NORMALE
15	161639070757	0.0	12.8	12.8	NORMALE
16	2097827822	0.0	17.0	17.0	NORMALE
17	171739067213	0.0	0.0	0.0	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	0.0	15.0	15.0	NORMALE
21	161639067423	0.0	16.5	16.5	NORMALE
22	161739081753	0.0	16.0	16.0	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	0.0	17.75	17.75	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	15.0	15.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: TP Gisements Renouvelables et Météorologie / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	0.0	17.5	17.5	NORMALE
2	21119045498	0.0	16.25	16.25	NORMALE
3	161639056995	0.0	0.0	0.0	NORMALE
4	171739071365	0.0	15.75	15.75	NORMALE
5	181839068231	0.0	19.0	19.0	NORMALE
6	181839068341	0.0	16.0	16.0	NORMALE
7	161639076833	0.0	13.0	13.0	NORMALE
8	21069054317	0.0	19.0	19.0	NORMALE
9	181839071484	0.0	19.0	19.0	NORMALE
10	2099932513	0.0	17.0	17.0	NORMALE
11	171739064417	0.0	16.5	16.5	NORMALE
12	181839066952	0.0	19.0	19.0	NORMALE
13	181839070256	0.0	14.75	14.75	NORMALE
14	171739069684	0.0	17.5	17.5	NORMALE
15	20059043681	0.0	16.0	16.0	NORMALE
16	181839072363	0.0	16.0	16.0	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	0.0	14.0	14.0	NORMALE
19	161439062444	0.0	13.75	13.75	NORMALE
20	21099050806	0.0	19.0	19.0	NORMALE
21	211539070481	0.0	17.0	17.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP Gisements Renouvelables et Météorologie / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	0.0	13.25	13.25	NORMALE
2	181839071088	0.0	16.25	16.25	NORMALE
3	21119044802	0.0	18.0	18.0	NORMALE
4	171739070039	0.0	16.0	16.0	NORMALE
5	181839068234	0.0	16.0	16.0	NORMALE
6	181839071931	0.0	14.0	14.0	NORMALE
7	161639068960	0.0	15.5	15.5	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	0.0	13.25	13.25	NORMALE
10	181839067493	0.0	16.5	16.5	NORMALE
11	161639072588	0.0	17.0	17.0	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	0.0	16.5	16.5	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	0.0	16.5	16.5	NORMALE
16	171739064566	0.0	16.0	16.0	NORMALE
17	2099932522	0.0	17.0	17.0	NORMALE
18	171739067653	0.0	16.5	16.5	NORMALE
19	181839073622	0.0	17.5	17.5	NORMALE
20	171739081667	0.0	14.0	14.0	NORMALE
21	171739076642	0.0	14.5	14.5	NORMALE
22	161439062716	0.0	14.75	14.75	NORMALE
23	171539075069	0.0	15.25	15.25	NORMALE
24	211339057761	0.0	16.5	16.5	NORMALE

2021/2022

**Filière:** génie mécanique  
énergies renouvelables en mécanique

**Niveau:** **Arrêté d'habilitation de l'offre de formation:** قرار رقم 1212 الموزع في 09 أوت 09 N°

**Matière:** TP Gisements Renouvelables et Météorologie / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	15.0	15.0	NORMALE
2	171739065214	0.0	12.5	12.5	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	0.0	16.0	16.0	NORMALE
5	161639057037	0.0	13.75	13.75	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	0.0	15.75	15.75	NORMALE
8	21119045604	0.0	17.0	17.0	NORMALE
9	161639072625	0.0	15.5	15.5	NORMALE
10	171739070702	0.0	16.0	16.0	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	0.0	16.5	16.5	NORMALE
13	181839065701	0.0	16.5	16.5	NORMALE
14	21079074789	0.0	16.75	16.75	NORMALE
15	161739080651	0.0	16.75	16.75	NORMALE
16	171739075753	0.0	15.0	15.0	NORMALE
17	181839071160	0.0	19.0	19.0	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	0.0	16.0	16.0	NORMALE
20	21109042008	0.0	19.0	19.0	NORMALE
21	211439064881	0.0	16.75	16.75	NORMALE
22	211439055714	0.0	16.75	16.75	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: TP Méthodes Numériques Appliquées / Section A / 1

#	Matricule	Examen	CC	MG	Session
1	181839065713	0.0	14.0	14.0	NORMALE
2	181839072272	0.0	14.0	14.0	NORMALE
3	171739080751	0.0	0.0	0.0	NORMALE
4	181439060670	0.0	12.38	12.38	NORMALE
5	211339046961	0.0	10.0	10.0	NORMALE
6	181839071404	0.0	14.0	14.0	NORMALE
7	171739076023	0.0	0.0	0.0	NORMALE
8	181839068329	0.0	14.5	14.5	NORMALE
9	171739072673	0.0	16.5	16.5	NORMALE
10	181539077010	0.0	12.5	12.5	NORMALE
11	20049041117	0.0	12.0	12.0	NORMALE
12	181839067574	0.0	15.0	15.0	NORMALE
13	19059056237	0.0	15.0	15.0	NORMALE
14	2188420846	0.0	12.0	12.0	NORMALE
15	161639070757	0.0	12.7	12.7	NORMALE
16	2097827822	0.0	11.5	11.5	NORMALE
17	171739067213	0.0	14.5	14.5	NORMALE
18	171739073739	0.0	0.0	0.0	NORMALE
19	171739069247	0.0	0.0	0.0	NORMALE
20	19932085003	0.0	10.0	10.0	NORMALE
21	161639067423	0.0	17.25	17.25	NORMALE
22	161739081753	0.0	15.0	15.0	NORMALE
23	181839070150	0.0	0.0	0.0	NORMALE
24	21109045908	0.0	13.5	13.5	NORMALE
25	21099043012	0.0	0.0	0.0	NORMALE
26	161539067946	0.0	10.0	10.0	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: TP Méthodes Numériques Appliquées / Section A / 2

#	Matricule	Examen	CC	MG	Session
1	171739075110	0.0	14.0	14.0	NORMALE
2	21119045498	0.0	13.5	13.5	NORMALE
3	161639056995	0.0	0.0	0.0	NORMALE
4	171739071365	0.0	13.0	13.0	NORMALE
5	181839068231	0.0	13.5	13.5	NORMALE
6	181839068341	0.0	16.5	16.5	NORMALE
7	161639076833	0.0	16.25	16.25	NORMALE
8	21069054317	0.0	15.0	15.0	NORMALE
9	181839071484	0.0	15.5	15.5	NORMALE
10	2099932513	0.0	11.5	11.5	NORMALE
11	171739064417	0.0	0.0	0.0	NORMALE
12	181839066952	0.0	14.5	14.5	NORMALE
13	181839070256	0.0	14.5	14.5	NORMALE
14	171739069684	0.0	10.0	10.0	NORMALE
15	20059043681	0.0	10.5	10.5	NORMALE
16	181839072363	0.0	10.5	10.5	NORMALE
17	171739067302	0.0	0.0	0.0	NORMALE
18	161639072498	0.0	14.0	14.0	NORMALE
19	161439062444	0.0	11.5	11.5	NORMALE
20	21099050806	0.0	12.5	12.5	NORMALE
21	211539070481	0.0	10.5	10.5	NORMALE

2021/2022

Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: TP Méthodes Numériques Appliquées / Section A / 3

#	Matricule	Examen	CC	MG	Session
1	171739070115	0.0	11.5	11.5	NORMALE
2	181839071088	0.0	14.0	14.0	NORMALE
3	21119044802	0.0	13.5	13.5	NORMALE
4	171739070039	0.0	17.5	17.5	NORMALE
5	181839068234	0.0	14.5	14.5	NORMALE
6	181839071931	0.0	14.0	14.0	NORMALE
7	161639068960	0.0	16.75	16.75	NORMALE
8	171739072172	0.0	0.0	0.0	NORMALE
9	18109035426	0.0	0.0	0.0	NORMALE
10	181839067493	0.0	15.0	15.0	NORMALE
11	161639072588	0.0	13.0	13.0	NORMALE
12	21901032034	0.0	0.0	0.0	NORMALE
13	21079067565	0.0	13.5	13.5	NORMALE
14	161639057018	0.0	0.0	0.0	NORMALE
15	171739075334	0.0	14.5	14.5	NORMALE
16	171739064566	0.0	1.5	1.5	NORMALE
17	2099932522	0.0	13.5	13.5	NORMALE
18	171739067653	0.0	13.5	13.5	NORMALE
19	181839073622	0.0	14.5	14.5	NORMALE
20	171739081667	0.0	10.5	10.5	NORMALE
21	171739076642	0.0	10.5	10.5	NORMALE
22	161439062716	0.0	11.0	11.0	NORMALE
23	171539075069	0.0	14.5	14.5	NORMALE
24	211339057761	0.0	12.5	12.5	NORMALE

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Filière: génie mécanique  
énergies renouvelables en mécanique

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 الموزع في 09 أوت 2021

Matière: TP Méthodes Numériques Appliquées / Section A / 4

#	Matricule	Examen	CC	MG	Session
1	161639069046	0.0	15.5	15.5	NORMALE
2	171739065214	0.0	14.0	14.0	NORMALE
3	171739068210	0.0	0.0	0.0	NORMALE
4	181839068301	0.0	12.0	12.0	NORMALE
5	161639057037	0.0	10.0	10.0	NORMALE
6	181839069822	0.0	0.0	0.0	NORMALE
7	21059055869	0.0	14.5	14.5	NORMALE
8	21119045604	0.0	13.5	13.5	NORMALE
9	161639072625	0.0	12.25	12.25	NORMALE
10	171739070702	0.0	14.0	14.0	NORMALE
11	171739073698	0.0	0.0	0.0	NORMALE
12	181839072229	0.0	12.5	12.5	NORMALE
13	181839065701	0.0	13.0	13.0	NORMALE
14	21079074789	0.0	13.5	13.5	NORMALE
15	161739080651	0.0	14.0	14.0	NORMALE
16	171739075753	0.0	10.0	10.0	NORMALE
17	181839071160	0.0	13.0	13.0	NORMALE
18	161639077338	0.0	0.0	0.0	NORMALE
19	171539076160	0.0	15.0	15.0	NORMALE
20	21109042008	0.0	12.5	12.5	NORMALE
21	211439064881	0.0	13.5	13.5	NORMALE
22	211439055714	0.0	14.0	14.0	NORMALE

























































































